APPENDIX E
LABORATORY TEST REPORTS

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

February 12, 2014

Work Order #: 4A13072

Keith Mayes
MTA Environmental Division
2527 Fresno Street
Fresno, CA 93721

RE: Fugro West - Mercury Cleaners

Enclosed are the analytical results for samples received by our laboratory on 01/13/14 . For your reference, these analyses have been assigned laboratory work order number 4A13072 .

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

Moore Twining Associates, Inc.

Julio Morales
Client Services Supervisor

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/12/14 14:11

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FB-1@10	4A13072-03	Soil	01/11/14 09:40	01/13/14 17:13
FB-1@18	4A13072-04	Soil	01/11/14 09:55	01/13/14 17:13
FB-1@20	4A13072-05	Soil	01/11/14 10:15	01/13/14 17:13
FB-3@10	4A13072-10	Soil	01/11/14 11:35	01/13/14 17:13
FB-3@15	4A13072-11	Soil	01/11/14 11:45	01/13/14 17:13
FB-3@18	4A13072-12	Soil	01/11/14 11:50	01/13/14 17:13
FB-3@20	4A13072-13	Soil	01/11/14 12:00	01/13/14 17:13
FB-3	4A13072-14	Water	01/11/14 12:30	01/13/14 17:13
FB-5@2	4A13072-15	Soil	01/11/14 12:55	01/13/14 17:13
FB-5@10	4A13072-17	Soil	01/11/14 13:15	01/13/14 17:13
FB-5@15	4A13072-18	Soil	01/11/14 13:40	01/13/14 17:13
FB-5@20	4A13072-19	Soil	01/11/14 13:45	01/13/14 17:13
FB-5	4A13072-20	Water	01/11/14 14:00	01/13/14 17:13
FB-8	4A13072-26	Water	01/12/14 12:00	01/13/14 17:13
FB-9@10	4A13072-29	Soil	01/12/14 09:30	01/13/14 17:13
FB-9	4A13072-33	Water	01/12/14 11:45	01/13/14 17:13
FB-10@18	4A13072-38	Soil	01/12/14 14:55	01/13/14 17:13
FB-10	4A13072-40	Water	01/12/14 15:30	01/13/14 17:13
FB-12@2	4A13072-41	Soil	01/12/14 12:40	01/13/14 17:13
FB-12@10	4A13072-43	Soil	01/12/14 12:50	01/13/14 17:13
FB-12@18	4A13072-45	Soil	01/12/14 13:05	01/13/14 17:13
FB-12	4A13072-47	Water	01/12/14 14:15	01/13/14 17:13

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MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-1@10

4A13072-03 (Soil) Sampled:01/11/14 09:40

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Diesel		ND	10	mg/kg	1	T4A1709	01/17/14	01/28/14	EPA 8015B
Surrogate: o-Terphenyl		*57.2 %*	*11.8-130*			*T4A1709*	*01/17/14*	*01/28/14*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	T4A1710	01/17/14	01/28/14	EPA 8015B

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MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-1@18

4A13072-04 (Soil) Sampled:01/11/14 09:55

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Diesel	AK	**1600**	200	mg/kg	20	T4A1709	01/17/14	02/03/14	EPA 8015B
Surrogate: o-Terphenyl	S01	*%*	*11.8-130*			*T4A1709*	*01/17/14*	*02/03/14*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	T4A1710	01/17/14	01/28/14	EPA 8015B

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MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-1@20

4A13072-05 (Soil) Sampled:01/11/14 10:15

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Diesel		ND	10	mg/kg	1	T4A1709	01/17/14	01/28/14	EPA 8015B
Surrogate: o-Terphenyl		*41.7 %*	*11.8-130*			*T4A1709*	*01/17/14*	*01/28/14*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	T4A1710	01/17/14	01/28/14	EPA 8015B

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MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-3@10

4A13072-10 (Soil) Sampled:01/11/14 11:35

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Diesel		ND	10	mg/kg	1	T4A1709	01/17/14	01/28/14	EPA 8015B
Surrogate: o-Terphenyl		*59.2 %*	*11.8-130*			*T4A1709*	*01/17/14*	*01/28/14*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	T4A1710	01/17/14	01/28/14	EPA 8015B

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MTA Environmental Division
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Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/12/14 14:11

FB-3@15

4A13072-11 (Soil) Sampled:01/11/14 11:45

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
N-Nitrosodimethylamine		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosomethylethylamine		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Methyl Methanesulfonate		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosodiethylamine		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Ethyl Methanesulfonate		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Phenol		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Bis(2-chloroethyl)ether		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Chlorophenol		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,4-Dichlorobenzene		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzyl alcohol		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Bis(2-chloroisopropyl)ether		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Methylphenol		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Acetophenone		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosopyrrolidine		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Hexachloroethane		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
o-Toluidine		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Methylphenol		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosodi-n-propylamine		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Nitrobenzene		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosopiperidine		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Isophorone		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Nitrophenol		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4-Dimethylphenol		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Bis(2-chloroethoxy)methane		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4-Dichlorophenol		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,2,4-Trichlorobenzene		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzoic acid		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Safrole		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,6-Dichlorophenol		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosodi-n-butylamine		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Chloro-3-methylphenol		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Methylnaphthalene		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Hexachlorocyclopentadiene		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C

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2527 Fresno Street	Project Number: 04-72120008 ph14	Reported:
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-3@15

4A13072-11 (Soil) Sampled:01/11/14 11:45

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
2,4,5-Trichlorophenol		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4,6-Trichlorophenol		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Chloronaphthalene		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Nitroaniline		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,4-Naphthoquinone		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Dimethyl phthalate		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Acenaphthylene		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,3-Dinitrobenzene		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,6-Dinitrotoluene		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
3-Nitroaniline		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
5-Nitro-o-toluidine		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,2-Diphenylhydrazine		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Acenaphthene		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4-Dinitrophenol		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pentachlorobenzene		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Nitrophenol		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1-Naphthylamine		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4-Dinitrotoluene		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Naphthylamine		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,3,4,6-Tetrachlorophenol		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Fluorene		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Diethyl phthalate		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Chlorophenyl phenyl ether		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Methapyrilene		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Nitroaniline		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Aminobiphenyl		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Diphenylamine		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzidine		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosodiphenylamine		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4,6-Dinitro-2-methylphenol		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Phenacetin		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pentachloronitrobenzene		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Bromophenyl phenyl ether		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C

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MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-3@15

4A13072-11 (Soil) Sampled:01/11/14 11:45

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Hexachlorobenzene		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pentachlorophenol		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Phenanthrene		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Anthracene		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Di-n-butyl phthalate		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Fluoranthene		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pyrene		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
p-Dimethylaminoazobenzene		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
3,3´-Dimethylbenzidine		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Butyl benzyl phthalate		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Acetylaminofluorene		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo (a) anthracene		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Chrysene		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Bis(2-ethylhexyl) phthalate		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Di-n-octyl phthalate		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
7,12-Dimethylbenz(a)anthracene		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo (b) fluoranthene		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo (k) fluoranthene		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo (a) pyrene		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
3,3'-Dichlorobenzidine		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
3-Methylcholanthrene		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Indeno(1,2,3-cd)pyrene		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Dibenzo(a,h)anthracene		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo(ghi)perylene		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
O,O,O-Triethyl phosphorothioate		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pronamide		ND	1.2	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Surrogate: 2-Fluorophenol	S02	*13.2 %*	*22-92*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: Phenol-d5		*37.1 %*	*10-94*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: Nitrobenzene-d5	S02	*6.44 %*	*41-110*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: 2-Fluorobiphenyl	S02	*12.9 %*	*40-92*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: 2,4,6-Tribromophenol		*53.2 %*	*49-138*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: d14-Terphenyl		*52.6 %*	*44-131*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Diesel	AK	**33**	10	mg/kg	1	T4A1709	01/17/14	01/28/14	EPA 8015B
Surrogate: o-Terphenyl		*58.0 %*	*11.8-130*			*T4A1709*	*01/17/14*	*01/28/14*	*EPA 8015B*

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MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-3@15

4A13072-11 (Soil) Sampled:01/11/14 11:45

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Motor Oil		ND	10	mg/kg	1	T4A1710	01/17/14	01/28/14	EPA 8015B

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Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/12/14 14:11

FB-3@18

4A13072-12 (Soil) Sampled:01/11/14 11:50

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
N-Nitrosodimethylamine		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosomethylethylamine		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Methyl Methanesulfonate		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosodiethylamine		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Ethyl Methanesulfonate		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Phenol		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Bis(2-chloroethyl)ether		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Chlorophenol		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,4-Dichlorobenzene		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzyl alcohol		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Bis(2-chloroisopropyl)ether		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Methylphenol		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Acetophenone		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosopyrrolidine		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Hexachloroethane		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
o-Toluidine		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Methylphenol		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosodi-n-propylamine		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Nitrobenzene		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosopiperidine		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Isophorone		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Nitrophenol		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4-Dimethylphenol		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Bis(2-chloroethoxy)methane		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4-Dichlorophenol		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,2,4-Trichlorobenzene		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzoic acid		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Safrole		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,6-Dichlorophenol		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosodi-n-butylamine		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Chloro-3-methylphenol		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Methylnaphthalene		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Hexachlorocyclopentadiene		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/12/14 14:11

FB-3@18

4A13072-12 (Soil) Sampled:01/11/14 11:50

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
2,4,5-Trichlorophenol		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4,6-Trichlorophenol		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Chloronaphthalene		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Nitroaniline		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,4-Naphthoquinone		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Dimethyl phthalate		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Acenaphthylene		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,3-Dinitrobenzene		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,6-Dinitrotoluene		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
3-Nitroaniline		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
5-Nitro-o-toluidine		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,2-Diphenylhydrazine		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Acenaphthene		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4-Dinitrophenol		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pentachlorobenzene		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Nitrophenol		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1-Naphthylamine		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4-Dinitrotoluene		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Naphthylamine		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,3,4,6-Tetrachlorophenol		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Fluorene		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Diethyl phthalate		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Chlorophenyl phenyl ether		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Methapyrilene		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Nitroaniline		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Aminobiphenyl		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Diphenylamine		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzidine		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosodiphenylamine		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4,6-Dinitro-2-methylphenol		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Phenacetin		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pentachloronitrobenzene		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Bromophenyl phenyl ether		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C

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(559) 268-7021 Phone
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MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-3@18

4A13072-12 (Soil) Sampled:01/11/14 11:50

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Hexachlorobenzene		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pentachlorophenol		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Phenanthrene		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Anthracene		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Di-n-butyl phthalate		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Fluoranthene		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pyrene		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
p-Dimethylaminoazobenzene		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
3,3´-Dimethylbenzidine		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Butyl benzyl phthalate		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Acetylaminofluorene		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo (a) anthracene		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Chrysene		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Bis(2-ethylhexyl) phthalate		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Di-n-octyl phthalate		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
7,12-Dimethylbenz(a)anthracene		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo (b) fluoranthene		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo (k) fluoranthene		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo (a) pyrene		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
3,3'-Dichlorobenzidine		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
3-Methylcholanthrene		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Indeno(1,2,3-cd)pyrene		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Dibenzo(a,h)anthracene		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo(ghi)perylene		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
O,O,O-Triethyl phosphorothioate		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pronamide		ND	0.68	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Surrogate: 2-Fluorophenol		*12.0 %*	*22-92*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: Phenol-d5		*35.5 %*	*10-94*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: Nitrobenzene-d5		*16.3 %*	*41-110*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: 2-Fluorobiphenyl		*28.8 %*	*40-92*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: 2,4,6-Tribromophenol		*52.8 %*	*49-138*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: d14-Terphenyl		*54.5 %*	*44-131*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Diesel		**150**	40	mg/kg	4	T4A1709	01/17/14	02/03/14	EPA 8015B
Surrogate: o-Terphenyl		*30.0 %*	*11.8-130*			*T4A1709*	*01/17/14*	*02/03/14*	*EPA 8015B*

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

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Fresno, CA 93721
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MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-3@18

4A13072-12 (Soil) Sampled:01/11/14 11:50

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Motor Oil		ND	10	mg/kg	1	T4A1710	01/17/14	01/28/14	EPA 8015B
Semi-Volatile Organics - Silica Gel Treated									
Diesel (SGT)		**160**	40	mg/kg	4	T4A1709	01/17/14	02/03/14	EPA 8015B
Surrogate: o-Terphenyl		*39.5 %*	*11.8-130*			*T4A1709*	*01/17/14*	*02/03/14*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	T4A1710	01/17/14	01/28/14	EPA 8015B

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MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-3@20

4A13072-13 (Soil) Sampled:01/11/14 12:00

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Diesel	AK	**75**	10	mg/kg	1	T4A1709	01/17/14	01/28/14	EPA 8015B
Surrogate: o-Terphenyl		*57.7 %*	*11.8-130*			*T4A1709*	*01/17/14*	*01/28/14*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	T4A1710	01/17/14	01/28/14	EPA 8015B

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/12/14 14:11

FB-3

4A13072-14 (Water) Sampled:01/11/14 12:30

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Inorganics									
pH	HT2	**7.3**	0.10	pH Units	1	T4A1418	01/14/14	01/14/14	SM4500-H B
Semi-Volatile Organics									
N-Nitrosodimethylamine		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Aniline		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Phenol		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Bis(2-chloroethyl)ether		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Chlorophenol		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
1,3-Dichlorobenzene		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
1,4-Dichlorobenzene		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
1,2-Dichlorobenzene		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzyl alcohol		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Bis(2-chloroisopropyl)ether		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Methylphenol		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Hexachloroethane		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Methylphenol		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
N-Nitrosodi-n-propylamine		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Nitrobenzene		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Isophorone		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Nitrophenol		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4-Dimethylphenol		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Bis(2-chloroethoxy)methane		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4-Dichlorophenol		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
1,2,4-Trichlorobenzene		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Naphthalene		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzoic acid		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Chloroaniline		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,6-Dichlorophenol		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Hexachlorobutadiene		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Chloro-3-methylphenol		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Methylnaphthalene		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Hexachlorocyclopentadiene		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4,5-Trichlorophenol		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4,6-Trichlorophenol		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C

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California ELAP Certificate #1371

2527 Fresno Street
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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/12/14 14:11

FB-3

4A13072-14 (Water) Sampled:01/11/14 12:30

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
2-Chloronaphthalene		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Nitroaniline		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Dimethyl phthalate		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Acenaphthylene		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,6-Dinitrotoluene		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
3-Nitroaniline		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Acenaphthene		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4-Dinitrophenol		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Dibenzofuran		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Nitrophenol		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4-Dinitrotoluene		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Fluorene		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Diethyl phthalate		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Chlorophenyl phenyl ether		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Nitroaniline		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
1,2-Diphenylhydrazine		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzidine		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
N-Nitrosodiphenylamine		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4,6-Dinitro-2-methylphenol		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Bromophenyl phenyl ether		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Hexachlorobenzene		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Pentachlorophenol		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Phenanthrene		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Anthracene		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Di-n-butyl phthalate		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Fluoranthene		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Pyrene		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Butyl benzyl phthalate		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzo (a) anthracene		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Chrysene		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Bis(2-ethylhexyl) phthalate		**33**	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Di-n-octyl phthalate		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
7,12-Dimethylbenz(a)anthracene		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzo (b) fluoranthene		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/12/14 14:11

FB-3

4A13072-14 (Water) Sampled:01/11/14 12:30

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Benzo (k) fluoranthene		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzo (a) pyrene		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
3,3'-Dichlorobenzidine		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Indeno(1,2,3-cd)pyrene		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Dibenzo(a,h)anthracene		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzo(ghi)perylene		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
alpha-BHC		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
beta-BHC		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
gamma-BHC (Lindane)		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
delta-BHC		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Heptachlor		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Heptachlor epoxide		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Aldrin		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Endosulfan I		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4,4´-DDE		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Endosulfan II		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4,4´-DDD		**8.1**	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4,4´-DDT		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Dieldrin		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Endrin aldehyde		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Endosulfan sulfate		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Endrin		ND	5.3	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Surrogate: Phenol-d5	S02	*0.0400 %*	*10-94*			*T4A1801*	*01/18/14*	*02/09/14*	*EPA 8270C*
Surrogate: Nitrobenzene-d5	S02	*133 %*	*41-110*			*T4A1801*	*01/18/14*	*01/24/14*	*EPA 8270C*
Surrogate: 2-Fluorobiphenyl		*75.1 %*	*40-92*			*T4A1801*	*01/18/14*	*01/24/14*	*EPA 8270C*
Surrogate: 2,4,6-Tribromophenol	S02	*4.05 %*	*49-138*			*T4A1801*	*01/18/14*	*01/24/14*	*EPA 8270C*
Surrogate: d14-Terphenyl		*50.8 %*	*44-131*			*T4A1801*	*01/18/14*	*01/24/14*	*EPA 8270C*
Volatile Organics									
Dichlorodifluoromethane (CFC-12)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Vinyl chloride		**3.2**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromomethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/12/14 14:11

FB-3

4A13072-14 (Water) Sampled:01/11/14 12:30

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Trichlorofluoromethane (CFC-11)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethanol		ND	50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1-Dichloroethene		**1.9**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Carbon disulfide		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Iodomethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acrolein		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methylene chloride		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acetone		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
trans-1,2-Dichloroethene		**58**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
tert-Butyl alcohol (TBA)		ND	20	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acetonitrile		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1-Dichloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acrylonitrile		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Vinyl acetate		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
cis-1,2-Dichloroethene		**5100**	50	µg/L	100	T4A1411	01/14/14	01/15/14	EPA 8260B
2,2-Dichloropropane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromochloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chloroform		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Carbon tetrachloride		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Butanone (MEK)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1-Dichloropropene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Isobutyl alcohol		ND	20	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Propionitrile		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Benzene		**5.7**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methacrylonitrile		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Trichloroethene (TCE)		**290**	50	µg/L	100	T4A1411	01/14/14	01/15/14	EPA 8260B
Dibromomethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
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MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-3

4A13072-14 (Water) Sampled:01/11/14 12:30

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
1,2-Dichloropropane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromodichloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methyl Methacrylate		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Chloroethylvinyl ether		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
cis-1,3-Dichloropropene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Toluene		**0.78**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
trans-1,3-Dichloropropene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Tetrachloroethene (PCE)		**370**	50	µg/L	100	T4A1411	01/14/14	01/15/14	EPA 8260B
1,1,2-Trichloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethyl methacrylate		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Dibromochloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,3-Dichloropropane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Hexanone		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethylbenzene		**0.67**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1,1,2-Tetrachloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
m,p-Xylene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
o-Xylene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Styrene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromoform		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Isopropylbenzene		**6.7**	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
n-Propylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Chlorotoluene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
4-Chlorotoluene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
tert-Butylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,4-Trimethylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
sec-Butylbenzene		**9.2**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
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MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-3

4A13072-14 (Water) Sampled:01/11/14 12:30

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
p-Isopropyltoluene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,3-Dichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,4-Dichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
n-Butylbenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Hexachloroethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,4-Trichlorobenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Hexachlorobutadiene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Naphthalene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Xylenes		ND	2.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Surrogate: 4-Bromofluorobenzene		*116 %*	*70-130*			*T4A1411*	*01/14/14*	*01/14/14*	*EPA 8260B*
Surrogate: Dibromofluoromethane		*84.3 %*	*70-130*			*T4A1411*	*01/14/14*	*01/14/14*	*EPA 8260B*
Surrogate: Toluene-d8		*106 %*	*70-130*			*T4A1411*	*01/14/14*	*01/14/14*	*EPA 8260B*
Gasoline	AS	**3100**	500	µg/L	10	T4A1614	01/16/14	01/16/14	EPA 8015B
Surrogate: 4-Bromofluorobenzene (FID)		*84.8 %*	*75-125*			*T4A1614*	*01/16/14*	*01/16/14*	*EPA 8015B*

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California ELAP Certificate #1371

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MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-5@2

4A13072-15 (Soil) Sampled:01/11/14 12:55

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Diesel		ND	10	mg/kg	1	T4A1709	01/17/14	01/28/14	EPA 8015B
Surrogate: o-Terphenyl		*44.9 %*	*11.8-130*			*T4A1709*	*01/17/14*	*01/28/14*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	T4A1710	01/17/14	01/28/14	EPA 8015B

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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/12/14 14:11

FB-5@10

4A13072-17 (Soil) Sampled:01/11/14 13:15

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
N-Nitrosodimethylamine		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosomethylethylamine		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Methyl Methanesulfonate		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosodiethylamine		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Ethyl Methanesulfonate		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Phenol		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Bis(2-chloroethyl)ether		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Chlorophenol		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,4-Dichlorobenzene		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzyl alcohol		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Bis(2-chloroisopropyl)ether		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Methylphenol		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Acetophenone		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosopyrrolidine		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Hexachloroethane		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
o-Toluidine		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Methylphenol		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosodi-n-propylamine		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Nitrobenzene		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosopiperidine		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Isophorone		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Nitrophenol		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4-Dimethylphenol		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Bis(2-chloroethoxy)methane		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4-Dichlorophenol		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,2,4-Trichlorobenzene		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzoic acid		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Safrole		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,6-Dichlorophenol		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosodi-n-butylamine		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Chloro-3-methylphenol		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Methylnaphthalene		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Hexachlorocyclopentadiene		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	Reported:
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-5@10

4A13072-17 (Soil) Sampled:01/11/14 13:15

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
2,4,5-Trichlorophenol		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4,6-Trichlorophenol		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Chloronaphthalene		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Nitroaniline		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,4-Naphthoquinone		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Dimethyl phthalate		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Acenaphthylene		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,3-Dinitrobenzene		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,6-Dinitrotoluene		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
3-Nitroaniline		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
5-Nitro-o-toluidine		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,2-Diphenylhydrazine		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Acenaphthene		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4-Dinitrophenol		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pentachlorobenzene		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Nitrophenol		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1-Naphthylamine		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4-Dinitrotoluene		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Naphthylamine		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,3,4,6-Tetrachlorophenol		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Fluorene		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Diethyl phthalate		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Chlorophenyl phenyl ether		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Methapyrilene		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Nitroaniline		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Aminobiphenyl		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Diphenylamine		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzidine		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosodiphenylamine		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4,6-Dinitro-2-methylphenol		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Phenacetin		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pentachloronitrobenzene		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Bromophenyl phenyl ether		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-5@10

4A13072-17 (Soil) Sampled:01/11/14 13:15

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Hexachlorobenzene		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pentachlorophenol		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Phenanthrene		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Anthracene		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Di-n-butyl phthalate		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Fluoranthene		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pyrene		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
p-Dimethylaminoazobenzene		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
3,3´-Dimethylbenzidine		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Butyl benzyl phthalate		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Acetylaminofluorene		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo (a) anthracene		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Chrysene		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Bis(2-ethylhexyl) phthalate		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Di-n-octyl phthalate		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
7,12-Dimethylbenz(a)anthracene		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo (b) fluoranthene		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo (k) fluoranthene		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo (a) pyrene		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
3,3'-Dichlorobenzidine		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
3-Methylcholanthrene		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Indeno(1,2,3-cd)pyrene		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Dibenzo(a,h)anthracene		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo(ghi)perylene		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
O,O,O-Triethyl phosphorothioate		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pronamide		ND	0.57	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Surrogate: 2-Fluorophenol		*22.1 %*	*22-92*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: Phenol-d5		*49.2 %*	*10-94*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: Nitrobenzene-d5	S02	*16.2 %*	*41-110*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: 2-Fluorobiphenyl	S02	*31.2 %*	*40-92*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: 2,4,6-Tribromophenol		*53.9 %*	*49-138*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: d14-Terphenyl		*48.1 %*	*44-131*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Diesel		ND	10	mg/kg	1	T4A1709	01/17/14	01/28/14	EPA 8015B
Surrogate: o-Terphenyl		*56.3 %*	*11.8-130*			*T4A1709*	*01/17/14*	*01/28/14*	*EPA 8015B*

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-5@10

4A13072-17 (Soil) Sampled:01/11/14 13:15

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Motor Oil		ND	10	mg/kg	1	T4A1710	01/17/14	01/28/14	EPA 8015B
Semi-Volatile Organics - Silica Gel Treated									
Diesel (SGT)		ND	10	mg/kg	1	T4A1709	01/17/14	01/28/14	EPA 8015B
Surrogate: o-Terphenyl		*57.5 %*	*11.8-130*			*T4A1709*	*01/17/14*	*01/28/14*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	T4A1710	01/17/14	01/28/14	EPA 8015B

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MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-5@15

4A13072-18 (Soil) Sampled:01/11/14 13:40

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Diesel		**1200**	200	mg/kg	20	T4A1709	01/17/14	02/03/14	EPA 8015B
Surrogate: o-Terphenyl	S01	*%*	*11.8-130*			*T4A1709*	*01/17/14*	*02/03/14*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	T4A1710	01/17/14	01/28/14	EPA 8015B

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
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MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-5@20

4A13072-19 (Soil) Sampled:01/11/14 13:45

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Diesel		**360**	50	mg/kg	5	T4A1709	01/17/14	02/03/14	EPA 8015B
Surrogate: o-Terphenyl	S01	*%*	*11.8-130*			*T4A1709*	*01/17/14*	*02/03/14*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	T4A1710	01/17/14	01/28/14	EPA 8015B

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/12/14 14:11

FB-5

4A13072-20 (Water) Sampled:01/11/14 14:00

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
N-Nitrosodimethylamine		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Aniline		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Phenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Bis(2-chloroethyl)ether		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Chlorophenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
1,3-Dichlorobenzene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
1,4-Dichlorobenzene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
1,2-Dichlorobenzene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzyl alcohol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Bis(2-chloroisopropyl)ether		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Methylphenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Hexachloroethane		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Methylphenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
N-Nitrosodi-n-propylamine		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Nitrobenzene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Isophorone		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Nitrophenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4-Dimethylphenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Bis(2-chloroethoxy)methane		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4-Dichlorophenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
1,2,4-Trichlorobenzene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Naphthalene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzoic acid		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Chloroaniline		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,6-Dichlorophenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Hexachlorobutadiene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Chloro-3-methylphenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Methylnaphthalene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Hexachlorocyclopentadiene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4,5-Trichlorophenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4,6-Trichlorophenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Chloronaphthalene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Nitroaniline		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/12/14 14:11

FB-5

4A13072-20 (Water) Sampled:01/11/14 14:00

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Dimethyl phthalate		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Acenaphthylene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,6-Dinitrotoluene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
3-Nitroaniline		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Acenaphthene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4-Dinitrophenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Dibenzofuran		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Nitrophenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4-Dinitrotoluene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Fluorene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Diethyl phthalate		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Chlorophenyl phenyl ether		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Nitroaniline		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
1,2-Diphenylhydrazine		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzidine		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
N-Nitrosodiphenylamine		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4,6-Dinitro-2-methylphenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Bromophenyl phenyl ether		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Hexachlorobenzene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Pentachlorophenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Phenanthrene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Anthracene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Di-n-butyl phthalate		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Fluoranthene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Pyrene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Butyl benzyl phthalate		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzo (a) anthracene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Chrysene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Bis(2-ethylhexyl) phthalate		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Di-n-octyl phthalate		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
7,12-Dimethylbenz(a)anthracene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzo (b) fluoranthene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzo (k) fluoranthene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/12/14 14:11

FB-5

4A13072-20 (Water) Sampled:01/11/14 14:00

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Benzo (a) pyrene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
3,3'-Dichlorobenzidine		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Indeno(1,2,3-cd)pyrene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Dibenzo(a,h)anthracene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzo(ghi)perylene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
alpha-BHC		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
beta-BHC		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
gamma-BHC (Lindane)		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
delta-BHC		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Heptachlor		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Heptachlor epoxide		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Aldrin		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Endosulfan I		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4,4´-DDE		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Endosulfan II		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4,4´-DDD		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4,4´-DDT		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Dieldrin		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Endrin aldehyde		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Endosulfan sulfate		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Endrin		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Surrogate: 2-Fluorophenol	S02	*0.0100 %*	*22-92*			*T4A1801*	*01/18/14*	*02/09/14*	*EPA 8270C*
Surrogate: Phenol-d5	S02	*0.0300 %*	*10-94*			*T4A1801*	*01/18/14*	*02/09/14*	*EPA 8270C*
Surrogate: Nitrobenzene-d5	S02	*1.16 %*	*41-110*			*T4A1801*	*01/18/14*	*02/09/14*	*EPA 8270C*
Surrogate: 2-Fluorobiphenyl		*85.5 %*	*40-92*			*T4A1801*	*01/18/14*	*01/24/14*	*EPA 8270C*
Surrogate: 2,4,6-Tribromophenol	S02	*9.20 %*	*49-138*			*T4A1801*	*01/18/14*	*01/24/14*	*EPA 8270C*
Surrogate: d14-Terphenyl		*66.3 %*	*44-131*			*T4A1801*	*01/18/14*	*01/24/14*	*EPA 8270C*
Volatile Organics									
Dichlorodifluoromethane (CFC-12)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Vinyl chloride		**2.6**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromomethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B

MOORE TWINING ASSOCIATES, INC.

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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/12/14 14:11

FB-5

4A13072-20 (Water) Sampled:01/11/14 14:00

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Trichlorofluoromethane (CFC-11)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethanol		ND	50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1-Dichloroethene		**7.5**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Carbon disulfide		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Iodomethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acrolein		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methylene chloride		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acetone		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
trans-1,2-Dichloroethene		**170**	50	µg/L	100	T4A1411	01/14/14	01/15/14	EPA 8260B
tert-Butyl alcohol (TBA)		ND	20	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acetonitrile		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1-Dichloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acrylonitrile		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Vinyl acetate		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
cis-1,2-Dichloroethene		**28000**	250	µg/L	500	T4A1411	01/14/14	01/15/14	EPA 8260B
2,2-Dichloropropane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromochloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chloroform		**2.1**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Carbon tetrachloride		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Butanone (MEK)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1-Dichloropropene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Isobutyl alcohol		ND	20	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Propionitrile		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Benzene		**4.3**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methacrylonitrile		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Trichloroethene (TCE)		**5900**	50	µg/L	100	T4A1411	01/14/14	01/15/14	EPA 8260B
Dibromomethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/12/14 14:11

FB-5

4A13072-20 (Water) Sampled:01/11/14 14:00

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
1,2-Dichloropropane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromodichloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methyl Methacrylate		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Chloroethylvinyl ether		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
cis-1,3-Dichloropropene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Toluene		**4.0**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
trans-1,3-Dichloropropene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Tetrachloroethene (PCE)		**2300**	50	µg/L	100	T4A1411	01/14/14	01/15/14	EPA 8260B
1,1,2-Trichloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethyl methacrylate		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Dibromochloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,3-Dichloropropane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Hexanone		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethylbenzene		**15**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1,1,2-Tetrachloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
m,p-Xylene		**6.1**	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
o-Xylene		**6.9**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Styrene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromoform		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Isopropylbenzene		**17**	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
n-Propylbenzene		**11**	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Chlorotoluene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
4-Chlorotoluene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
tert-Butylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,4-Trimethylbenzene		**30**	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
sec-Butylbenzene		**11**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B

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California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
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MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-5

4A13072-20 (Water) Sampled:01/11/14 14:00

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
p-Isopropyltoluene		**2.1**	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,3-Dichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,4-Dichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
n-Butylbenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Hexachloroethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,4-Trichlorobenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Hexachlorobutadiene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Naphthalene		**9.2**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Xylenes		**13**	2.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Surrogate: 4-Bromofluorobenzene		*120 %*	*70-130*			*T4A1411*	*01/14/14*	*01/14/14*	*EPA 8260B*
Surrogate: Dibromofluoromethane		*100 %*	*70-130*			*T4A1411*	*01/14/14*	*01/14/14*	*EPA 8260B*
Surrogate: Toluene-d8		*116 %*	*70-130*			*T4A1411*	*01/14/14*	*01/14/14*	*EPA 8260B*
Gasoline	A1	**8300**	5000	µg/L	100	T4A1614	01/16/14	01/16/14	EPA 8015B
Surrogate: 4-Bromofluorobenzene (FID)		*112 %*	*75-125*			*T4A1614*	*01/16/14*	*01/16/14*	*EPA 8015B*

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MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-8

4A13072-26 (Water) Sampled:01/12/14 12:00

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Dichlorodifluoromethane (CFC-12)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Vinyl chloride		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromomethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethanol		ND	50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1-Dichloroethene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Carbon disulfide		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Iodomethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acrolein		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methylene chloride		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acetone		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
trans-1,2-Dichloroethene		**4.0**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
tert-Butyl alcohol (TBA)		ND	20	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acetonitrile		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1-Dichloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acrylonitrile		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Vinyl acetate		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
cis-1,2-Dichloroethene		**300**	5.0	µg/L	10	T4A1411	01/14/14	01/15/14	EPA 8260B
2,2-Dichloropropane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromochloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chloroform		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Carbon tetrachloride		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Butanone (MEK)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1-Dichloropropene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Isobutyl alcohol		ND	20	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Propionitrile		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-8

4A13072-26 (Water) Sampled:01/12/14 12:00

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Benzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methacrylonitrile		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Trichloroethene (TCE)		**130**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Dibromomethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dichloropropane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromodichloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methyl Methacrylate		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Chloroethylvinyl ether		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
cis-1,3-Dichloropropene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Toluene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
trans-1,3-Dichloropropene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Tetrachloroethene (PCE)		**1400**	5.0	µg/L	10	T4A1411	01/14/14	01/15/14	EPA 8260B
1,1,2-Trichloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethyl methacrylate		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Dibromochloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,3-Dichloropropane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Hexanone		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethylbenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1,1,2-Tetrachloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
m,p-Xylene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
o-Xylene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Styrene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromoform		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Isopropylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
n-Propylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Chlorotoluene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
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(559) 268-0740 Fax

MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-8

4A13072-26 (Water) Sampled:01/12/14 12:00

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
1,2,3-Trichloropropane (123TCP)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
4-Chlorotoluene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
tert-Butylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,4-Trimethylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
sec-Butylbenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
p-Isopropyltoluene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,3-Dichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,4-Dichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
n-Butylbenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Hexachloroethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,4-Trichlorobenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Hexachlorobutadiene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Naphthalene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Xylenes		ND	2.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Surrogate: 4-Bromofluorobenzene		*98.8 %*	*70-130*			*T4A1411*	*01/14/14*	*01/14/14*	*EPA 8260B*
Surrogate: Dibromofluoromethane		*81.4 %*	*70-130*			*T4A1411*	*01/14/14*	*01/14/14*	*EPA 8260B*
Surrogate: Toluene-d8		*104 %*	*70-130*			*T4A1411*	*01/14/14*	*01/14/14*	*EPA 8260B*

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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/12/14 14:11

FB-9@10

4A13072-29 (Soil) Sampled:01/12/14 09:30

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
N-Nitrosodimethylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosomethylethylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Methyl Methanesulfonate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosodiethylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Ethyl Methanesulfonate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Phenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Bis(2-chloroethyl)ether		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Chlorophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,4-Dichlorobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzyl alcohol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Bis(2-chloroisopropyl)ether		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Methylphenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Acetophenone		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosopyrrolidine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Hexachloroethane		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
o-Toluidine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Methylphenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosodi-n-propylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Nitrobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosopiperidine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Isophorone		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Nitrophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4-Dimethylphenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Bis(2-chloroethoxy)methane		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4-Dichlorophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,2,4-Trichlorobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzoic acid		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Safrole		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,6-Dichlorophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosodi-n-butylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Chloro-3-methylphenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Methylnaphthalene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Hexachlorocyclopentadiene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/12/14 14:11

FB-9@10

4A13072-29 (Soil) Sampled:01/12/14 09:30

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
2,4,5-Trichlorophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4,6-Trichlorophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Chloronaphthalene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Nitroaniline		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,4-Naphthoquinone		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Dimethyl phthalate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Acenaphthylene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,3-Dinitrobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,6-Dinitrotoluene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
3-Nitroaniline		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
5-Nitro-o-toluidine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,2-Diphenylhydrazine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Acenaphthene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4-Dinitrophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pentachlorobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Nitrophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1-Naphthylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4-Dinitrotoluene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Naphthylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,3,4,6-Tetrachlorophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Fluorene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Diethyl phthalate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Chlorophenyl phenyl ether		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Methapyrilene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Nitroaniline		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Aminobiphenyl		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Diphenylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzidine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosodiphenylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4,6-Dinitro-2-methylphenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Phenacetin		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pentachloronitrobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Bromophenyl phenyl ether		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C

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California ELAP Certificate #1371

2527 Fresno Street
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MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-9@10

4A13072-29 (Soil) Sampled:01/12/14 09:30

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Hexachlorobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pentachlorophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Phenanthrene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Anthracene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Di-n-butyl phthalate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Fluoranthene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pyrene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
p-Dimethylaminoazobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
3,3´-Dimethylbenzidine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Butyl benzyl phthalate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Acetylaminofluorene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo (a) anthracene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Chrysene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Bis(2-ethylhexyl) phthalate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Di-n-octyl phthalate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
7,12-Dimethylbenz(a)anthracene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo (b) fluoranthene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo (k) fluoranthene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo (a) pyrene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
3,3'-Dichlorobenzidine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
3-Methylcholanthrene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Indeno(1,2,3-cd)pyrene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Dibenzo(a,h)anthracene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo(ghi)perylene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
O,O,O-Triethyl phosphorothioate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pronamide		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Surrogate: 2-Fluorophenol	S02	*8.93 %*	*22-92*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: Phenol-d5		*31.4 %*	*10-94*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: Nitrobenzene-d5	S02	*9.42 %*	*41-110*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: 2-Fluorobiphenyl	S02	*11.8 %*	*40-92*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: 2,4,6-Tribromophenol	S02	*13.4 %*	*49-138*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: d14-Terphenyl	S02	*43.3 %*	*44-131*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-9

4A13072-33 (Water) Sampled:01/12/14 11:45

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
N-Nitrosodimethylamine		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Aniline		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Phenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Bis(2-chloroethyl)ether		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Chlorophenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
1,3-Dichlorobenzene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
1,4-Dichlorobenzene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
1,2-Dichlorobenzene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzyl alcohol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Bis(2-chloroisopropyl)ether		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Methylphenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Hexachloroethane		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Methylphenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
N-Nitrosodi-n-propylamine		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Nitrobenzene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Isophorone		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Nitrophenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4-Dimethylphenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Bis(2-chloroethoxy)methane		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4-Dichlorophenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
1,2,4-Trichlorobenzene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Naphthalene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzoic acid		**7.6**	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Chloroaniline		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,6-Dichlorophenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Hexachlorobutadiene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Chloro-3-methylphenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Methylnaphthalene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Hexachlorocyclopentadiene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4,5-Trichlorophenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4,6-Trichlorophenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Chloronaphthalene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Nitroaniline		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Dimethyl phthalate		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/12/14 14:11

FB-9

4A13072-33 (Water) Sampled:01/12/14 11:45

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Acenaphthylene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,6-Dinitrotoluene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
3-Nitroaniline		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Acenaphthene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4-Dinitrophenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Dibenzofuran		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Nitrophenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4-Dinitrotoluene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Fluorene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Diethyl phthalate		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Chlorophenyl phenyl ether		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Nitroaniline		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
1,2-Diphenylhydrazine		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzidine		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
N-Nitrosodiphenylamine		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4,6-Dinitro-2-methylphenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Bromophenyl phenyl ether		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Hexachlorobenzene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Pentachlorophenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Phenanthrene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Anthracene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Di-n-butyl phthalate		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Fluoranthene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Pyrene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Butyl benzyl phthalate		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzo (a) anthracene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Chrysene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Bis(2-ethylhexyl) phthalate		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Di-n-octyl phthalate		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
7,12-Dimethylbenz(a)anthracene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzo (b) fluoranthene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzo (k) fluoranthene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzo (a) pyrene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	Reported:
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-9

4A13072-33 (Water) Sampled:01/12/14 11:45

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
3,3'-Dichlorobenzidine		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Indeno(1,2,3-cd)pyrene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Dibenzo(a,h)anthracene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzo(ghi)perylene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
alpha-BHC		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
beta-BHC		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
gamma-BHC (Lindane)		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
delta-BHC		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Heptachlor		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Heptachlor epoxide		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Aldrin		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Endosulfan I		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4,4´-DDE		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Endosulfan II		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4,4´-DDD		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4,4´-DDT		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Dieldrin		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Endrin aldehyde		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Endosulfan sulfate		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Endrin		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Surrogate: 2-Fluorophenol	S02	*17.1 %*	*22-92*			*T4A1801*	*01/18/14*	*01/24/14*	*EPA 8270C*
Surrogate: Phenol-d5		*11.3 %*	*10-94*			*T4A1801*	*01/18/14*	*01/24/14*	*EPA 8270C*
Surrogate: Nitrobenzene-d5		*60.2 %*	*41-110*			*T4A1801*	*01/18/14*	*01/24/14*	*EPA 8270C*
Surrogate: 2-Fluorobiphenyl		*62.0 %*	*40-92*			*T4A1801*	*01/18/14*	*01/24/14*	*EPA 8270C*
Surrogate: 2,4,6-Tribromophenol	S02	*38.3 %*	*49-138*			*T4A1801*	*01/18/14*	*01/24/14*	*EPA 8270C*
Surrogate: d14-Terphenyl		*67.1 %*	*44-131*			*T4A1801*	*01/18/14*	*01/24/14*	*EPA 8270C*
Volatile Organics									
Dichlorodifluoromethane (CFC-12)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Vinyl chloride		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromomethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
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MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-9

4A13072-33 (Water) Sampled:01/12/14 11:45

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Ethanol		ND	50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1-Dichloroethene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Carbon disulfide		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Iodomethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acrolein		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methylene chloride		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acetone		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
trans-1,2-Dichloroethene		**7.8**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
tert-Butyl alcohol (TBA)		ND	20	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acetonitrile		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1-Dichloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acrylonitrile		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Vinyl acetate		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
cis-1,2-Dichloroethene		**980**	5.0	µg/L	10	T4A1411	01/14/14	01/15/14	EPA 8260B
2,2-Dichloropropane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromochloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chloroform		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Carbon tetrachloride		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Butanone (MEK)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1-Dichloropropene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Isobutyl alcohol		ND	20	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Propionitrile		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Benzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methacrylonitrile		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Trichloroethene (TCE)		**750**	5.0	µg/L	10	T4A1411	01/14/14	01/15/14	EPA 8260B
Dibromomethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dichloropropane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-9

4A13072-33 (Water) Sampled:01/12/14 11:45

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Bromodichloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methyl Methacrylate		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Chloroethylvinyl ether		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
cis-1,3-Dichloropropene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Toluene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
trans-1,3-Dichloropropene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Tetrachloroethene (PCE)		**3300**	50	µg/L	100	T4A1411	01/14/14	01/16/14	EPA 8260B
1,1,2-Trichloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethyl methacrylate		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Dibromochloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,3-Dichloropropane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Hexanone		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethylbenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1,1,2-Tetrachloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
m,p-Xylene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
o-Xylene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Styrene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromoform		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Isopropylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
n-Propylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Chlorotoluene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
4-Chlorotoluene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
tert-Butylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,4-Trimethylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
sec-Butylbenzene		**0.68**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
p-Isopropyltoluene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B

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California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-9

4A13072-33 (Water) Sampled:01/12/14 11:45

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
1,3-Dichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,4-Dichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
n-Butylbenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Hexachloroethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,4-Trichlorobenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Hexachlorobutadiene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Naphthalene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Xylenes		ND	2.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Surrogate: 4-Bromofluorobenzene		*101 %*	*70-130*			*T4A1411*	*01/14/14*	*01/14/14*	*EPA 8260B*
Surrogate: Dibromofluoromethane		*90.4 %*	*70-130*			*T4A1411*	*01/14/14*	*01/14/14*	*EPA 8260B*
Surrogate: Toluene-d8		*106 %*	*70-130*			*T4A1411*	*01/14/14*	*01/14/14*	*EPA 8260B*
Gasoline	A1	**1100**	500	µg/L	10	T4A1614	01/16/14	01/16/14	EPA 8015B
Surrogate: 4-Bromofluorobenzene (FID)		*107 %*	*75-125*			*T4A1614*	*01/16/14*	*01/16/14*	*EPA 8015B*

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	Reported:
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-10@18

4A13072-38 (Soil) Sampled:01/12/14 14:55

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
N-Nitrosodimethylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosomethylethylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Methyl Methanesulfonate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosodiethylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Ethyl Methanesulfonate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Phenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Bis(2-chloroethyl)ether		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Chlorophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,4-Dichlorobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzyl alcohol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Bis(2-chloroisopropyl)ether		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Methylphenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Acetophenone		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosopyrrolidine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Hexachloroethane		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
o-Toluidine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Methylphenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosodi-n-propylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Nitrobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosopiperidine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Isophorone		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Nitrophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4-Dimethylphenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Bis(2-chloroethoxy)methane		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4-Dichlorophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,2,4-Trichlorobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzoic acid		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Safrole		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,6-Dichlorophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosodi-n-butylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Chloro-3-methylphenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Methylnaphthalene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Hexachlorocyclopentadiene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	Reported:
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-10@18

4A13072-38 (Soil) Sampled:01/12/14 14:55

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
2,4,5-Trichlorophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4,6-Trichlorophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Chloronaphthalene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Nitroaniline		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,4-Naphthoquinone		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Dimethyl phthalate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Acenaphthylene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,3-Dinitrobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,6-Dinitrotoluene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
3-Nitroaniline		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
5-Nitro-o-toluidine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,2-Diphenylhydrazine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Acenaphthene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4-Dinitrophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pentachlorobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Nitrophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1-Naphthylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4-Dinitrotoluene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Naphthylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,3,4,6-Tetrachlorophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Fluorene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Diethyl phthalate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Chlorophenyl phenyl ether		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Methapyrilene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Nitroaniline		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Aminobiphenyl		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Diphenylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzidine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosodiphenylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4,6-Dinitro-2-methylphenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Phenacetin		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pentachloronitrobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Bromophenyl phenyl ether		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C

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MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-10@18

4A13072-38 (Soil) Sampled:01/12/14 14:55

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Hexachlorobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pentachlorophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Phenanthrene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Anthracene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Di-n-butyl phthalate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Fluoranthene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pyrene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
p-Dimethylaminoazobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
3,3´-Dimethylbenzidine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Butyl benzyl phthalate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Acetylaminofluorene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo (a) anthracene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Chrysene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Bis(2-ethylhexyl) phthalate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Di-n-octyl phthalate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
7,12-Dimethylbenz(a)anthracene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo (b) fluoranthene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo (k) fluoranthene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo (a) pyrene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
3,3'-Dichlorobenzidine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
3-Methylcholanthrene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Indeno(1,2,3-cd)pyrene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Dibenzo(a,h)anthracene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo(ghi)perylene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
O,O,O-Triethyl phosphorothioate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pronamide		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Surrogate: 2-Fluorophenol		*46.5 %*	*22-92*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: Phenol-d5		*52.4 %*	*10-94*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: Nitrobenzene-d5	S02	*4.54 %*	*41-110*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: 2-Fluorobiphenyl		*68.6 %*	*40-92*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: 2,4,6-Tribromophenol		*68.0 %*	*49-138*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: d14-Terphenyl		*52.7 %*	*44-131*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/12/14 14:11

FB-10

4A13072-40 (Water) Sampled:01/12/14 15:30

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
N-Nitrosodimethylamine		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Aniline		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Phenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Bis(2-chloroethyl)ether		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Chlorophenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
1,3-Dichlorobenzene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
1,4-Dichlorobenzene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
1,2-Dichlorobenzene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzyl alcohol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Bis(2-chloroisopropyl)ether		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Methylphenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Hexachloroethane		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Methylphenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
N-Nitrosodi-n-propylamine		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Nitrobenzene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Isophorone		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Nitrophenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4-Dimethylphenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Bis(2-chloroethoxy)methane		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4-Dichlorophenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
1,2,4-Trichlorobenzene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Naphthalene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzoic acid		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Chloroaniline		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,6-Dichlorophenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Hexachlorobutadiene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Chloro-3-methylphenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Methylnaphthalene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Hexachlorocyclopentadiene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4,5-Trichlorophenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4,6-Trichlorophenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Chloronaphthalene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Nitroaniline		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C

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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/12/14 14:11

FB-10

4A13072-40 (Water) Sampled:01/12/14 15:30

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Dimethyl phthalate		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Acenaphthylene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,6-Dinitrotoluene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
3-Nitroaniline		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Acenaphthene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4-Dinitrophenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Dibenzofuran		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Nitrophenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4-Dinitrotoluene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Fluorene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Diethyl phthalate		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Chlorophenyl phenyl ether		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Nitroaniline		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
1,2-Diphenylhydrazine		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzidine		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
N-Nitrosodiphenylamine		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4,6-Dinitro-2-methylphenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Bromophenyl phenyl ether		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Hexachlorobenzene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Pentachlorophenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Phenanthrene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Anthracene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Di-n-butyl phthalate		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Fluoranthene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Pyrene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Butyl benzyl phthalate		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzo (a) anthracene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Chrysene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Bis(2-ethylhexyl) phthalate		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Di-n-octyl phthalate		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
7,12-Dimethylbenz(a)anthracene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzo (b) fluoranthene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzo (k) fluoranthene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C

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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/12/14 14:11

FB-10

4A13072-40 (Water) Sampled:01/12/14 15:30

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Benzo (a) pyrene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
3,3'-Dichlorobenzidine		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Indeno(1,2,3-cd)pyrene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Dibenzo(a,h)anthracene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzo(ghi)perylene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
alpha-BHC		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
beta-BHC		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
gamma-BHC (Lindane)		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
delta-BHC		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Heptachlor		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Heptachlor epoxide		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Aldrin		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Endosulfan I		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4,4´-DDE		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Endosulfan II		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4,4´-DDD		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4,4´-DDT		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Dieldrin		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Endrin aldehyde		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Endosulfan sulfate		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Endrin		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Surrogate: 2-Fluorophenol	S02	*0.0300 %*	*22-92*			*T4A1801*	*01/18/14*	*02/09/14*	*EPA 8270C*
Surrogate: Phenol-d5	S02	*0.0200 %*	*10-94*			*T4A1801*	*01/18/14*	*02/09/14*	*EPA 8270C*
Surrogate: Nitrobenzene-d5	S02	*28.2 %*	*41-110*			*T4A1801*	*01/18/14*	*01/24/14*	*EPA 8270C*
Surrogate: 2-Fluorobiphenyl		*85.2 %*	*40-92*			*T4A1801*	*01/18/14*	*01/24/14*	*EPA 8270C*
Surrogate: 2,4,6-Tribromophenol	S02	*10.3 %*	*49-138*			*T4A1801*	*01/18/14*	*01/24/14*	*EPA 8270C*
Surrogate: d14-Terphenyl		*59.2 %*	*44-131*			*T4A1801*	*01/18/14*	*01/24/14*	*EPA 8270C*
Volatile Organics									
Dichlorodifluoromethane (CFC-12)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Vinyl chloride		**0.74**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromomethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B

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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/12/14 14:11

FB-10

4A13072-40 (Water) Sampled:01/12/14 15:30

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Trichlorofluoromethane (CFC-11)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethanol		ND	50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1-Dichloroethene		**3.9**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Carbon disulfide		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Iodomethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acrolein		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methylene chloride		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acetone		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
trans-1,2-Dichloroethene		**66**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
tert-Butyl alcohol (TBA)		ND	20	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acetonitrile		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1-Dichloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acrylonitrile		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Vinyl acetate		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
cis-1,2-Dichloroethene		**7700**	50	µg/L	100	T4A1411	01/14/14	01/15/14	EPA 8260B
2,2-Dichloropropane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromochloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chloroform		**3.6**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Carbon tetrachloride		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Butanone (MEK)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1-Dichloropropene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Isobutyl alcohol		ND	20	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Propionitrile		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Benzene		**3.9**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methacrylonitrile		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Trichloroethene (TCE)		**2500**	50	µg/L	100	T4A1411	01/14/14	01/15/14	EPA 8260B
Dibromomethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B

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MTA Environmental Division
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Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/12/14 14:11

FB-10

4A13072-40 (Water) Sampled:01/12/14 15:30

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
1,2-Dichloropropane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromodichloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methyl Methacrylate		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Chloroethylvinyl ether		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
cis-1,3-Dichloropropene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Toluene		**0.69**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
trans-1,3-Dichloropropene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Tetrachloroethene (PCE)		**1600**	50	µg/L	100	T4A1411	01/14/14	01/15/14	EPA 8260B
1,1,2-Trichloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethyl methacrylate		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Dibromochloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,3-Dichloropropane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Hexanone		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethylbenzene		**1.2**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1,1,2-Tetrachloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
m,p-Xylene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
o-Xylene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Styrene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromoform		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Isopropylbenzene		**10**	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
n-Propylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Chlorotoluene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
4-Chlorotoluene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
tert-Butylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,4-Trimethylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
sec-Butylbenzene		**9.9**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-10

4A13072-40 (Water) Sampled:01/12/14 15:30

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
p-Isopropyltoluene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,3-Dichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,4-Dichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
n-Butylbenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Hexachloroethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,4-Trichlorobenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Hexachlorobutadiene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Naphthalene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Xylenes		ND	2.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Surrogate: 4-Bromofluorobenzene		*104 %*	*70-130*			*T4A1411*	*01/14/14*	*01/14/14*	*EPA 8260B*
Surrogate: Dibromofluoromethane		*96.3 %*	*70-130*			*T4A1411*	*01/14/14*	*01/14/14*	*EPA 8260B*
Surrogate: Toluene-d8		*107 %*	*70-130*			*T4A1411*	*01/14/14*	*01/14/14*	*EPA 8260B*
Gasoline	A1, AS	**4000**	250	µg/L	5	T4A1614	01/16/14	01/16/14	EPA 8015B
Surrogate: 4-Bromofluorobenzene (FID)	S02	*26.9 %*	*75-125*			*T4A1614*	*01/16/14*	*01/16/14*	*EPA 8015B*

MOORE TWINING ASSOCIATES, INC.

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2527 Fresno Street
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(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-12@2

4A13072-41 (Soil) Sampled:01/12/14 12:40

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Diesel		ND	11	mg/kg	1	T4A2008	01/20/14	01/30/14	EPA 8015B
Surrogate: o-Terphenyl		*68.5 %*	*11.8-130*			*T4A2008*	*01/20/14*	*01/30/14*	*EPA 8015B*
Motor Oil		ND	11	mg/kg	1	T4A2009	01/20/14	02/05/14	EPA 8015B

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MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-12@10

4A13072-43 (Soil) Sampled:01/12/14 12:50

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Diesel		ND	10	mg/kg	1	T4A2008	01/20/14	01/30/14	EPA 8015B
Surrogate: o-Terphenyl		*58.1 %*	*11.8-130*			*T4A2008*	*01/20/14*	*01/30/14*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	T4A2009	01/20/14	02/05/14	EPA 8015B

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MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-12@18

4A13072-45 (Soil) Sampled:01/12/14 13:05

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Diesel		ND	10	mg/kg	1	T4A2008	01/20/14	01/30/14	EPA 8015B
Surrogate: o-Terphenyl		*62.4 %*	*11.8-130*			*T4A2008*	*01/20/14*	*01/30/14*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	T4A2009	01/20/14	02/05/14	EPA 8015B

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MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-12

4A13072-47 (Water) Sampled:01/12/14 14:15

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Dichlorodifluoromethane (CFC-12)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Vinyl chloride		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromomethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethanol		ND	50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1-Dichloroethene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Carbon disulfide		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Iodomethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acrolein		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methylene chloride		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acetone		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
trans-1,2-Dichloroethene		**1.6**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
tert-Butyl alcohol (TBA)		ND	20	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acetonitrile		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1-Dichloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acrylonitrile		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Vinyl acetate		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
cis-1,2-Dichloroethene		**180**	5.0	µg/L	10	T4A1411	01/14/14	01/15/14	EPA 8260B
2,2-Dichloropropane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromochloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chloroform		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Carbon tetrachloride		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Butanone (MEK)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1-Dichloropropene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Isobutyl alcohol		ND	20	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Propionitrile		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B

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California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
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(559) 268-0740 Fax

MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-12

4A13072-47 (Water) Sampled:01/12/14 14:15

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Benzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methacrylonitrile		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Trichloroethene (TCE)		**93**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Dibromomethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dichloropropane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromodichloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methyl Methacrylate		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Chloroethylvinyl ether		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
cis-1,3-Dichloropropene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Toluene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
trans-1,3-Dichloropropene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Tetrachloroethene (PCE)		**880**	5.0	µg/L	10	T4A1411	01/14/14	01/15/14	EPA 8260B
1,1,2-Trichloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethyl methacrylate		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Dibromochloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,3-Dichloropropane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Hexanone		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethylbenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1,1,2-Tetrachloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
m,p-Xylene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
o-Xylene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Styrene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromoform		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Isopropylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
n-Propylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Chlorotoluene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B

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California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
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MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/12/14 14:11

FB-12

4A13072-47 (Water) Sampled:01/12/14 14:15

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
1,2,3-Trichloropropane (123TCP)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
4-Chlorotoluene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
tert-Butylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,4-Trimethylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
sec-Butylbenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
p-Isopropyltoluene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,3-Dichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,4-Dichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
n-Butylbenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Hexachloroethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,4-Trichlorobenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Hexachlorobutadiene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Naphthalene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Xylenes		ND	2.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Surrogate: 4-Bromofluorobenzene		*99.5 %*	*70-130*			*T4A1411*	*01/14/14*	*01/14/14*	*EPA 8260B*
Surrogate: Dibromofluoromethane		*82.2 %*	*70-130*			*T4A1411*	*01/14/14*	*01/14/14*	*EPA 8260B*
Surrogate: Toluene-d8		*108 %*	*70-130*			*T4A1411*	*01/14/14*	*01/14/14*	*EPA 8260B*

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Notes and Definitions

S02	Surrogate recovery was affected by the matrix.
S01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference.
RPD3	The RPD is out of range for this spike and its duplicate due to a low or high bias of one of the two spikes.
RPD	The RPD result exceeded the QC control limits. However, both percent recoveries were acceptable.
MS1	Recovery for this analyte was affected by matrix.
HT2	This sample was analyzed past the EPA recommended holding time for this parameter due to late delivery of the sample to the laboratory.
BS2	Recovery for this analyte was biased low. Results were accepted based on duplicate results.
AS	Heavier hydrocarbon than gasoline
AK	Lighter hydrocarbon than diesel
A1	The result for this hydrocarbon is elevated due to the presence of single analyte peak(s) in the quantitation range.
ug/L	micrograms per liter (parts per billion concentration units)
mg/kg	milligrams per kilogram (parts per million concentration units)
mg/L	milligrams per Liter (parts per million concentration units)
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
	Analysis of pH, filtration, and residual chlorine is to take place immediately after sampling in the field. If the test was performed in the laboratory, the hold time was exceeded. **(for aqueous matrices only)**

Software Version	: 6.3.1.0504	Date	: 1/16/2014 6:45:25 PM
Reprocess Number	: btex-gas: 44281		
Operator	: dorienh		
Sample Number	: 016	Sample Name	: T4A1614-BS1
AutoSampler	: NONE	Study	:
Instrument Name	: PE_GC	Rack/Vial	: 0/0
Instrument Serial #	: 650N7100206	Channel	: A
Delay Time	: 0.00 min	A/D mV Range	: 1000
Sampling Rate	: 3.1250 pts/s	End Time	: 19.99 min
Sample Volume	: 1.000000 ul		
Sample Amount	: 1.0000	Area Reject	: 0.000000
Internal Standard Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 1/16/2014 6:25:14 PM		
		Cycle	: 16

Raw Data File : c:\pe gc\data\clarus500\011614w\011614w_fid_data016.raw
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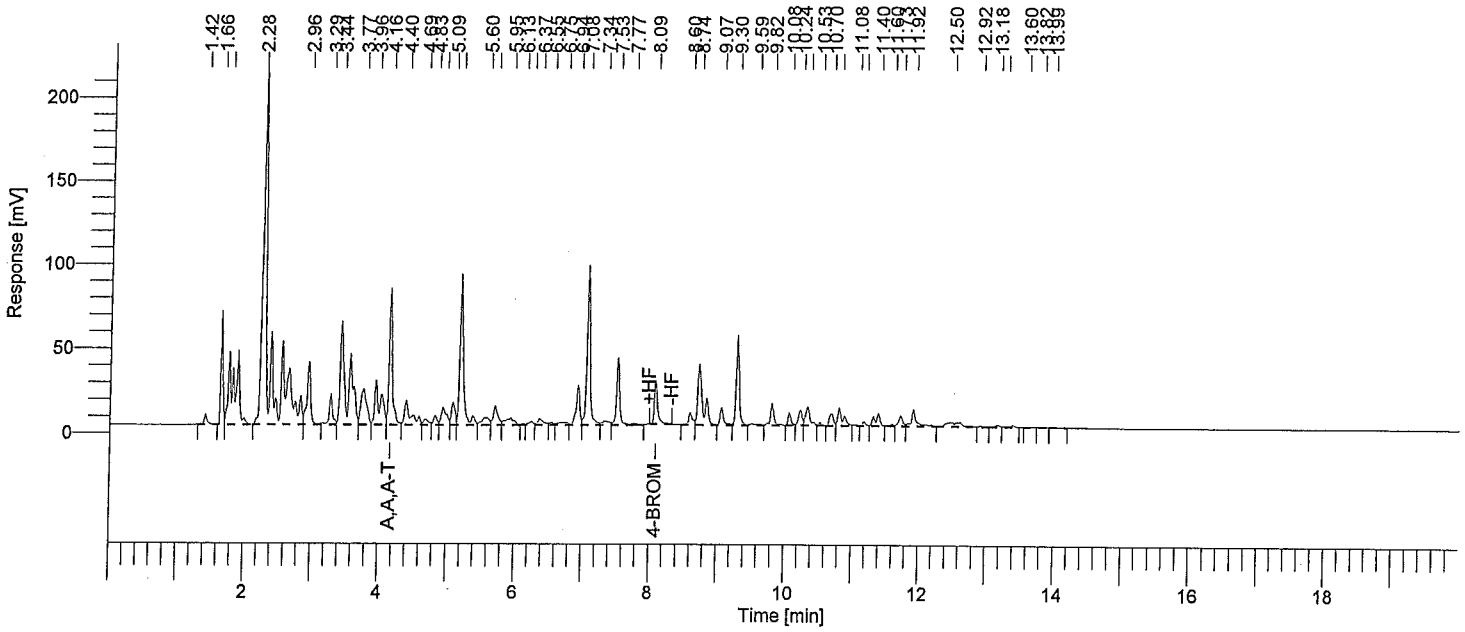
Calib Method : c:\pe gc\methods\pe_gas_wtr from c:\pe gc\data\clarus500\011614w\011614w_fid_data016.rst
Report Format File: c:\pe gc\methods\gas.rpt
Sequence File : C:\PE GC\Sequences\Clarus500\011614w.seq



Gasoline Range Organics(GRO) - EPA Method 8015

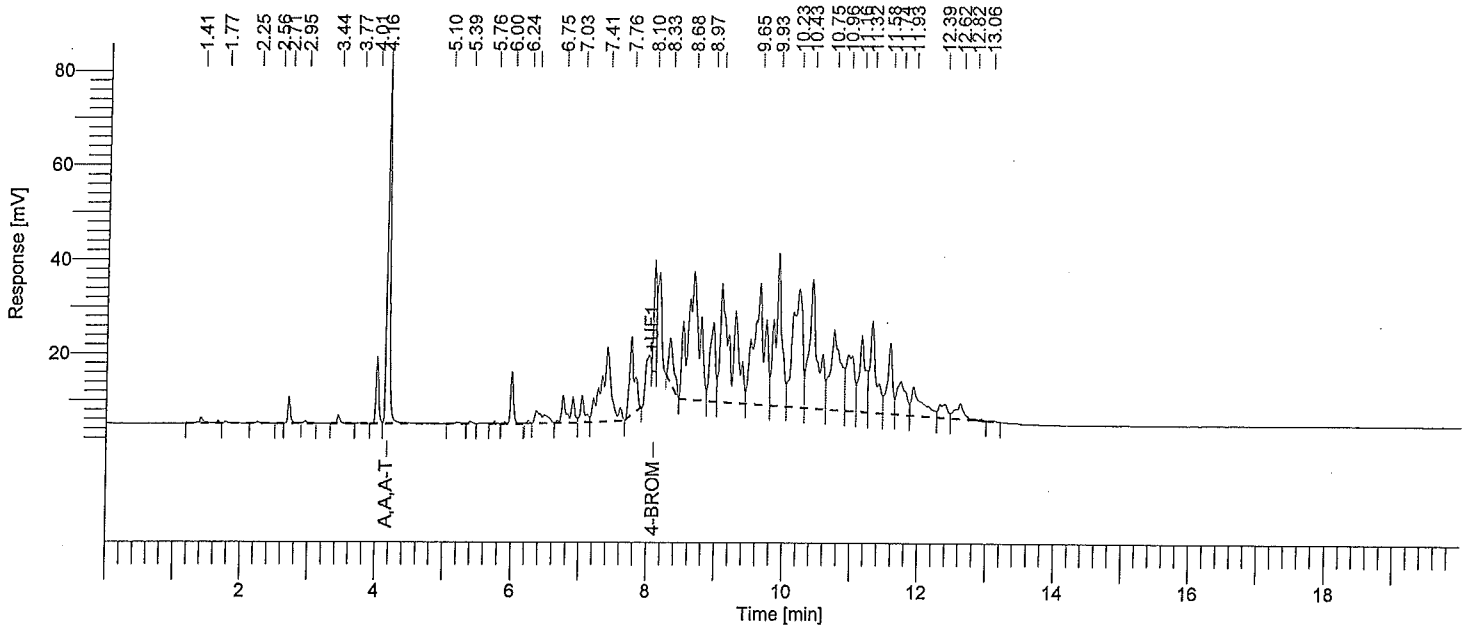
Component Name	R.T. [min]	Area [µV·s]	Raw Amount	Adjusted Amount
a,a,a-Triflurotoluene - FID	4.16	267900	----------	----------
TPH-Gasoline	5.71	3954831	848.1643	848.164
4-Bromoflurobenzene - FID	8.09	82075	23.8727	23.873

Report stored in ASCII file: c:\pe gc\data\clarus500\011614w\011614w_fid_data016.TX0

Software Version	: 6.3.1.0504	Date	: 1/16/2014 3:33:33 PM
Operator	: dorienh	Sample Name	: 4A13072-14
Sample Number	: 008	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: PE_GC	Channel	: A
Instrument Serial #	: 650N7100206	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 19.99 min
Sampling Rate	: 3.1250 pts/s		
Sample Volume	: 1.000000 ul		
Sample Amount	: 1.0000	Area Reject	: 0.000000
Internal Standard Amount	: 1.0000	Dilution Factor	: 10.00
Data Acquisition Time	: 1/16/2014 2:32:55 PM		
		Cycle	: 8

FB-3

Raw Data File : c:\pe gc\data\clarus500\011614w\011614w_fid_data008.raw
Result File : C:\PE GC\Data\Clarus500\011614w\011614w_fid_data008.rst
Inst Method : C:\PE GC\Methods\PE_BTEX_WTR from c:\pe gc\data\clarus500\011614w\011614w_fid_data008.raw
Proc Method : c:\pe gc\methods\pe_gas_wtr from C:\PE GC\Data\Clarus500\011614w\011614w_fid_data008.rst
Calib Method : c:\pe gc\methods\pe_gas_wtr from C:\PE GC\Data\Clarus500\011614w\011614w_fid_data008.rst
Report Format File: c:\pe gc\methods\gas.rpt
Sequence File : C:\PE GC\Sequences\Clarus500\011614w.seq



Gasoline Range Organics(GRO) - EPA Method 8015

Component Name	R.T. [min]	Area [µV·s]	Raw Amount	Adjusted Amount
a,a,a-Triflurotoluene - FID	4.16	230209	----------	----------
TPH-Gasoline	5.71	1230864	307.1943	3071.943
4-Bromoflurobenzene - FID	8.10	62666	21.2117	212.117

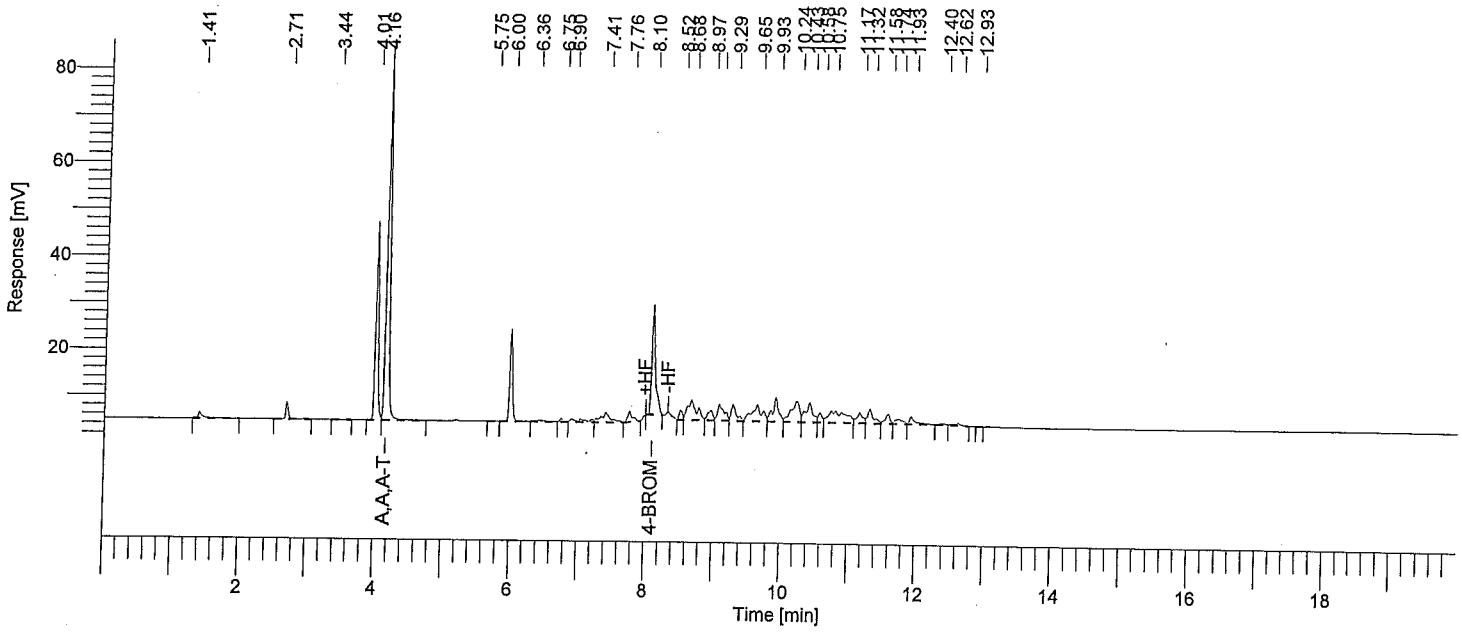
CB 1/16/14

Report stored in ASCII file: C:\PE GC\Data\Clarus500\011614w\011614w_fid_data008.TX0

Software Version	: 6.3.1.0504	Date	: 1/16/2014 4:12:07 PM
Reprocess Number	: btex-gas: 44201		
Operator	: dorienh		
Sample Number	: 011	Sample Name	: 4A13072-20
AutoSampler	: NONE	Study	:
Instrument Name	: PE_GC	Rack/Vial	: 0/0
Instrument Serial #	: 650N7100206	Channel	: A
Delay Time	: 0.00 min	A/D mV Range	: 1000
Sampling Rate	: 3.1250 pts/s	End Time	: 19.99 min
Sample Volume	: 1.000000 ul		
Sample Amount	: 1.0000		
Internal Standard Amount	: 1.0000	Area Reject	: 0.000000
Data Acquisition Time	: 1/16/2014 3:51:56 PM	Dilution Factor	: 100.00
		Cycle	: 11

FB-5

Raw Data File : c:\pe gc\data\clarus500\011614w\011614w_fid_data011.raw
Result File : c:\pe gc\data\clarus500\011614w\011614w_fid_data011.rst
Inst Method : C:\PE GC\Methods\PE_BTEX_WTR from c:\pe gc\data\clarus500\011614w\011614w_fid_data011.raw
Proc Method : c:\pe gc\methods\pe_gas_wtr from c:\pe gc\data\clarus500\011614w\011614w_fid_data011.rst
Calib Method : c:\pe gc\methods\pe_gas_wtr from c:\pe gc\data\clarus500\011614w\011614w_fid_data011.rst
Report Format File: c:\pe gc\methods\gas.rpt
Sequence File : C:\PE GC\Sequences\Clarus500\011614w.seq



Gasoline Range Organics(GRO) - EPA Method 8015

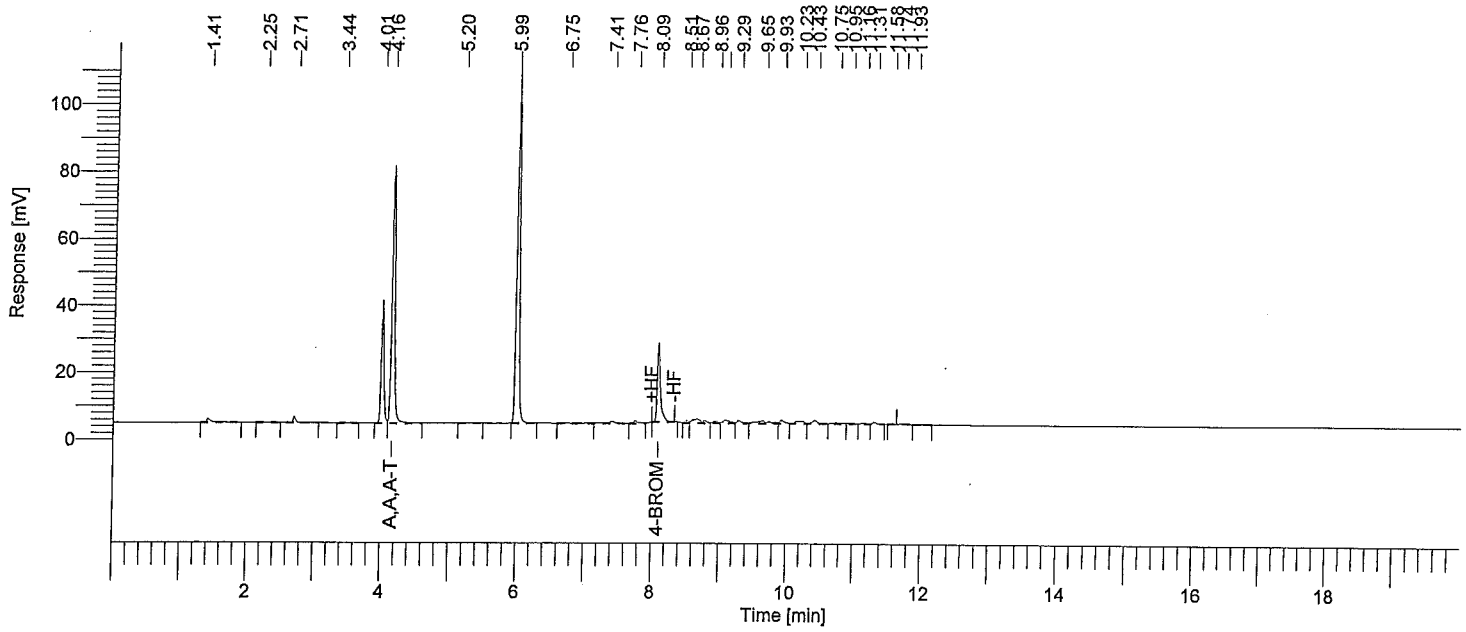
Component Name	R.T. [min]	Area [µV·s]	Raw Amount	Adjusted Amount
a,a,a-Triflurotoluene - FID	4.16	231468	----------	----------
TPH-Gasoline	5.71	334657	83.0681	8306.814
4-Bromoflurobenzene - FID	8.10	82987	27.9374	2793.739

Report stored in ASCII file: c:\pe gc\data\clarus500\011614w\011614w_fid_data011.TX0

Software Version	: 6.3.1.0504	Date	: 1/16/2014 3:19:29 PM
Reprocess Number	: btex-gas: 44197		
Operator	: dorienh		
Sample Number	: 009	Sample Name	: 4A13072-33
AutoSampler	: NONE	Study	:
Instrument Name	: PE_GC	Rack/Vial	: 0/0
Instrument Serial #	: 650N7100206	Channel	: A
Delay Time	: 0.00 min	A/D mV Range	: 1000
Sampling Rate	: 3.1250 pts/s	End Time	: 19.99 min
Sample Volume	: 1.000000 ul		
Sample Amount	: 1.0000	Area Reject	: 0.000000
Internal Standard Amount	: 1.0000	Dilution Factor	: 10.00
Data Acquisition Time	: 1/16/2014 2:59:19 PM		
		Cycle	: 9

FB-9

Raw Data File : c:\pe gc\data\clarus500\011614w\011614w_fid_data009.raw
Result File : c:\pe gc\data\clarus500\011614w\011614w_fid_data009.rst
Inst Method : C:\PE GC\Methods\PE_BTEX_WTR from c:\pe gc\data\clarus500\011614w\011614w_fid_data009.raw
Proc Method : c:\pe gc\methods\pe_gas_wtr from c:\pe gc\data\clarus500\011614w\011614w_fid_data009.rst
Calib Method : c:\pe gc\methods\pe_gas_wtr from c:\pe gc\data\clarus500\011614w\011614w_fid_data009.rst
Report Format File: c:\pe gc\methods\gas.rpt
Sequence File : C:\PE GC\Sequences\Clarus500\011614w.seq



Gasoline Range Organics(GRO) - EPA Method 8015

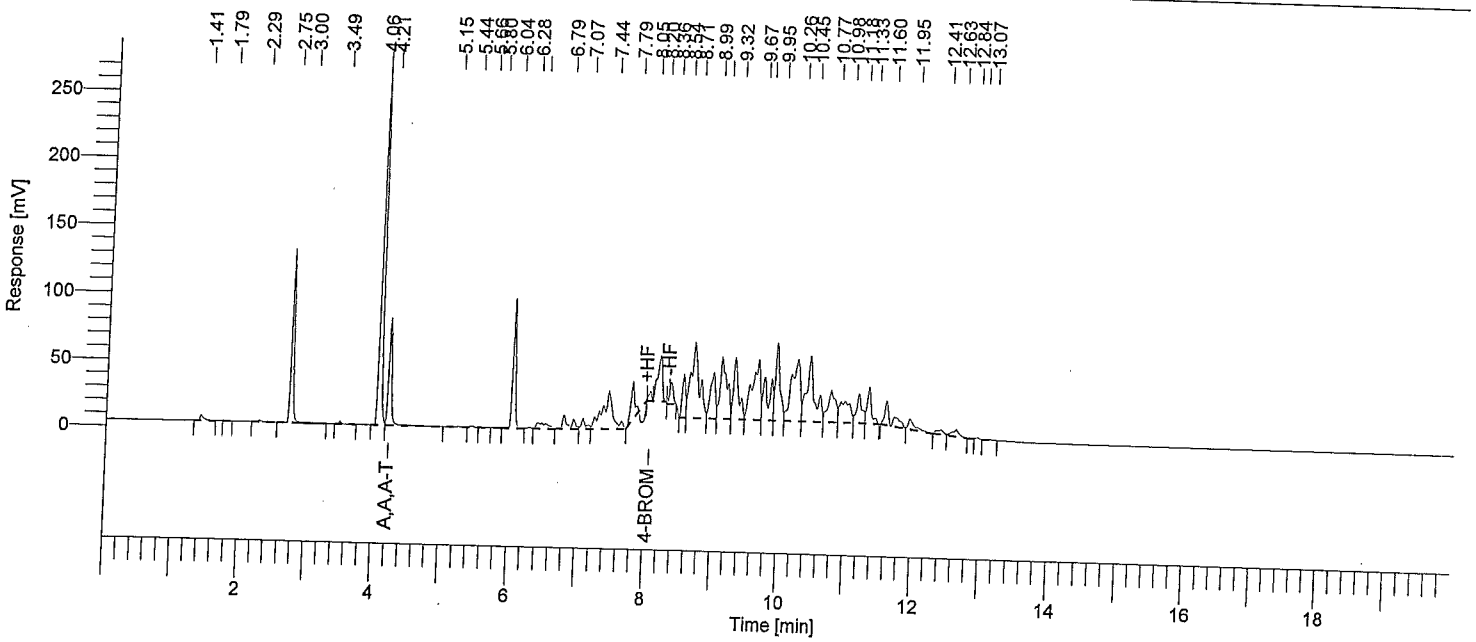
Component Name	R.T. [min]	Area [µV·s]	Raw Amount	Adjusted Amount
a,a,a-Triflurotoluene - FID	4.16	232503	----------	----------
TPH-Gasoline	5.71	456887	112.9033	1129.033
4-Bromoflurobenzene - FID	8.09	79540	26.6576	266.576

Report stored in ASCII file: c:\pe gc\data\clarus500\011614w\011614w_fid_data009.TX0

Software Version	: 6.3.1.0504	Date	: 1/16/2014 4:57:24 PM
Reprocess Number	: btex-gas: 44203		
Operator	: dorienh		
Sample Number	: 012	Sample Name	: 4A13072-40
AutoSampler	: NONE	Study	:
Instrument Name	: PE_GC	Rack/Vial	: 0/0
Instrument Serial #	: 650N7100206	Channel	: A
Delay Time	: 0.00 min	A/D mV Range	: 1000
Sampling Rate	: 3.1250 pts/s	End Time	: 19.99 min
Sample Volume	: 1.000000 ul		
Sample Amount	: 1.0000		
Internal Standard Amount	: 1.0000	Area Reject	: 0.000000
Data Acquisition Time	: 1/16/2014 4:37:16 PM	Dilution Factor	: 5.00
		Cycle	: 12

FB-10

Raw Data File : c:\pe gc\data\clarus500\011614w\011614w_fid_data012.raw
Result File : c:\pe gc\data\clarus500\011614w\011614w_fid_data012.rst
Inst Method : C:\PE GC\Methods\PE_BTEX_WTR from c:\pe gc\data\clarus500\011614w\011614w_fid_data012.raw
Proc Method : c:\pe gc\methods\pe_gas_wtr from c:\pe gc\data\clarus500\011614w\011614w_fid_data012.rst
Calib Method : c:\pe gc\methods\pe_gas_wtr from c:\pe gc\data\clarus500\011614w\011614w_fid_data012.rst
Report Format File: c:\pe gc\methods\gas.rpt
Sequence File : C:\PE GC\Sequences\Clarus500\011614w.seq



Gasoline Range Organics(GRO) - EPA Method 8015

Component Name	R.T. [min]	Area [µV·s]	Raw Amount	Adjusted Amount
a,a,a-Triflurotoluene - FID	4.21	252290	---------	----------
TPH-Gasoline	5.71	3542811	806.8135	4034.068
4-Bromoflurobenzene - FID	8.05	21810	6.7364	33.682

Report stored in ASCII file: c:\pe gc\data\clarus500\011614w\011614w_fid_data012.TX0

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Phone: (209) 384-2930
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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13072 Lab Reference Number: 1401069 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401069-01 Client Sample ID: FB-1@10 (4A13072-03)	Sampled: 01-11-14 Received: 01-17-14 Extracted: 01-22-04 Analyzed: 01-22-04 Reported: 02-05-04

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	ND
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.0050	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	ND
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	ND	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	ND
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	97.0%	Toluene-d8	95.8%
1,2-Dichloroethane-d4	101%	p-Bromofluorobenzene	117%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: Clari Cone

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Phone: (209) 384-2930
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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13072 Lab Reference Number: 1401069 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401069-02 Client Sample ID: FB-1@18 (4A13072-04)	Sampled: 01-11-14 Received: 01-17-14 Extracted: 01-24-14 Analyzed: 01-24-14 Reported: 02-05-04

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.16	0.32	ND	Diethyl ether	0.020	0.040	ND
Acrylonitrile	0.16	0.16	ND	Ethylbenzene	0.020	0.040	ND
Allyl Chloride	0.020	0.040	ND	Ethyl methacrylate	0.020	0.040	ND
Benzene	0.020	0.040	ND	Hexachloro 1,3-butadiene	0.020	0.040	ND
Bromobenzene	0.020	0.040	ND	Hexachloroethane	0.020	0.040	ND
Bromochloromethane	0.020	0.040	ND	2-Hexanone (Methyl butyl ketone)	0.020	0.040	ND
Bromodichloromethane	0.020	0.040	ND	Iodomethane (Methyl iodide)	0.020	0.040	ND
Bromoform	0.020	0.040	ND	Isopropylbenzene	0.020	0.040	ND
Bromomethane	0.020	0.040	ND	p-Isopropyltoluene	0.020	0.040	ND
2-Butanone (MEK)	0.16	0.32	ND	Methacrylonitrile	0.020	0.040	ND
n-Butylbenzene	0.020	0.040	ND	Methyl acrylate	0.020	0.040	ND
sec-Butylbenzene	0.020	0.040	ND	Methylene chloride	0.16	0.32	ND
tert-Butylbenzene	0.020	0.040	ND	Methyl methacrylate	0.020	0.040	ND
Carbon disulfide	0.020	0.040	ND	4-Methyl 2-pentanone (MIBK)	0.020	0.040	ND
Carbon tetrachloride	0.020	0.040	ND	Napthalene	0.010	0.020	ND
Chlorobenzene	0.020	0.040	ND	Nitrobenzene	0.16	0.32	ND
1-Chlorobutane	0.020	0.040	ND	Pentachloroethane	0.020	0.040	ND
Chloroethane	0.020	0.040	ND	Proprionitrile	0.16	0.32	ND
Chloroform	0.020	0.040	ND	n-Propylbenzene	0.020	0.040	ND
Chloromethane	0.020	0.040	ND	Styrene	0.020	0.040	ND
2-Chlorotoluene	0.020	0.040	ND	1,1,1,2-Tetrachloroethane	0.020	0.040	ND
4-Chlorotoluene	0.020	0.040	ND	1,1,2,2,-Tetrachlorethane	0.020	0.040	ND
Dibromochloromethane	0.020	0.040	ND	Tetrachloroethene (PCE)	0.020	0.040	**0.87**
1,2-Dibromo 3-chloropropane (DBCP)	0.16	0.32	ND	Tetrahydrofuran (THF)	0.16	0.32	ND
1,2-Dibromoethane (EDB)	0.020	0.040	ND	Toluene	0.020	0.040	ND
Dibromomethane	0.020	0.040	ND	1,2,3-Trichlorobenzene	0.020	0.040	ND
1,2-Dichlorobenezene	0.020	0.040	ND	1,2,4-Trichlorobenzene	0.020	0.040	ND
1,3-Dichlorobenzene	0.020	0.040	ND	1,1,1-Trichloroethane	0.020	0.040	ND
1,4-Dichlorobenzene	0.020	0.040	ND	1,1,2-Trichloroethane	0.020	0.040	ND
trans-1,4-Dichloro-2-butene	0.020	0.040	ND	Trichloroethene (TCE)	0.020	0.040	**0.058**
Dichlorodifluoromethane	0.020	0.040	ND	Trichlorofluoromethane	0.020	0.040	ND
1,1-Dichloroethane	0.020	0.040	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.020	0.040	ND
1,2-Dichloroethane	0.020	0.040	ND	1,2,3-Trichloropropane	0.020	0.040	ND
1,1-Dichloroethene	0.020	0.040	ND	1,2,4-Trimethylbenzene	0.020	0.040	ND
cis-1,2-Dichloroethene	0.020	0.040	**0.27**	1,3,5-Trimethylbenzene	0.020	0.040	ND
trans-1,2-Dichloroethene	0.020	0.040	ND	Vinyl Chloride	0.020	0.040	ND
1,2-Dichloropropane	0.020	0.040	ND	Xylenes, total	0.020	0.040	ND
1,3-Dichloropropane	0.020	0.040	ND	**Oxygenates**			
2,2-Dichloropropane	0.020	0.040	ND	tert-Butyl Alcohol (tBA)	0.40	0.80	ND
1,1-Dichloropropene	0.020	0.040	ND	Methyl tert-Butyl Ether (MTBE)	0.020	0.040	ND
1,1-Dichloro-2-propanone	0.020	0.040	ND	Di-Isopropyl Ether (DIPE)	0.020	0.040	ND
cis-1,3-Dichloropropene	0.020	0.040	ND	Ethyl tert-Butyl Ether (EtBE)	0.020	0.040	ND
trans-1,3-Dichloropropene	0.020	0.040	ND	tert-Amyl Methyl Ether (tAME)	0.020	0.040	ND

Surrogate Recoveries

Dibromofluoromethane	97.4%	Toluene-d8	96.0%
1,2-Dichloroethane-d4	77.6%	p-Bromofluorobenzene	207%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: Clari Cone

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13072 Lab Reference Number: 1401069 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401069-03 Client Sample ID: FB-1@20 (4A13072-05)	Sampled: 01-11-14 Received: 01-17-14 Extracted: 01-22-04 Analyzed: 01-22-04 Reported: 02-05-04

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	**0.017**
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.0050	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	ND
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	**0.015**	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	ND
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	96.2%	Toluene-d8	98.2%
1,2-Dichloroethane-d4	102%	p-Bromofluorobenzene	318%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: Clari Cone

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc.
2527 Fresno St.
Fresno, CA 93721
Attn: Julio Morales

Client Project ID: 4A13072
Lab Reference Number: 1401069
Sample Description: Soil
Sample Prep/Analysis Method: EPA 5030/8260
Lab Number: 1401069-04
Client Sample ID: FB-3@10 (4A13072-10)

Sampled: 01-11-14
Received: 01-17-14
Extracted: 01-22-04
Analyzed: 01-22-04
Reported: 02-05-04

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	**0.014**
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.0050	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	ND
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	**0.0051**	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	ND
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	93.1%	Toluene-d8	94.8%
1,2-Dichloroethane-d4	101%	p-Bromofluorobenzene	121%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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2333 Shuttle Drive, Atwater, CA 95301

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13072 Lab Reference Number: 1401069 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401069-05 Client Sample ID: FB-3@15 (4A13072-11)	Sampled: 01-11-14 Received: 01-17-14 Extracted: 01-24-14 Analyzed: 01-24-14 Reported: 02-05-04

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.16	3.2	ND	Diethyl ether	0.020	0.40	ND
Acrylonitrile	0.16	3.2	ND	Ethylbenzene	0.020	0.40	ND
Allyl Chloride	0.020	0.40	ND	Ethyl methacrylate	0.020	0.40	ND
Benzene	0.020	0.40	ND	Hexachloro 1,3-butadiene	0.020	0.40	ND
Bromobenzene	0.020	0.40	ND	Hexachloroethane	0.020	0.40	ND
Bromochloromethane	0.020	0.40	ND	2-Hexanone (Methyl butyl ketone)	0.020	0.40	ND
Bromodichloromethane	0.020	0.40	ND	Iodomethane (Methyl iodide)	0.020	0.40	ND
Bromoform	0.020	0.40	ND	Isopropylbenzene	0.020	0.40	ND
Bromomethane	0.020	0.40	ND	p-Isopropyltoluene	0.020	0.40	ND
2-Butanone (MEK)	0.16	3.2	ND	Methacrylonitrile	0.020	0.40	ND
n-Butylbenzene	0.020	0.40	ND	Methyl acrylate	0.020	0.40	ND
sec-Butylbenzene	0.020	0.40	ND	Methylene chloride	0.16	3.2	ND
tert-Butylbenzene	0.020	0.40	ND	Methyl methacrylate	0.020	0.40	ND
Carbon disulfide	0.020	0.40	ND	4-Methyl 2-pentanone (MIBK)	0.020	0.40	ND
Carbon tetrachloride	0.020	0.40	ND	Napthalene	0.040	0.80	ND
Chlorobenzene	0.020	0.40	ND	Nitrobenzene	0.16	3.2	ND
1-Chlorobutane	0.020	0.40	ND	Pentachloroethane	0.020	0.40	ND
Chloroethane	0.020	0.40	ND	Proprionitrile	0.16	3.20	ND
Chloroform	0.020	0.40	ND	n-Propylbenzene	0.020	0.40	ND
Chloromethane	0.020	0.40	ND	Styrene	0.020	0.40	ND
2-Chlorotoluene	0.020	0.40	ND	1,1,1,2-Tetrachloroethane	0.020	0.40	ND
4-Chlorotoluene	0.020	0.40	ND	1,1,2,2,-Tetrachlorethane	0.020	0.40	ND
Dibromochloromethane	0.020	0.40	ND	Tetrachloroethene (PCE)	0.020	0.40	ND
1,2-Dibromo 3-chloropropane (DBCP)	0.16	3.2	ND	Tetrahydrofuran (THF)	0.16	3.2	ND
1,2-Dibromoethane (EDB)	0.020	0.40	ND	Toluene	0.020	0.40	ND
Dibromomethane	0.020	0.40	ND	1,2,3-Trichlorobenzene	0.020	0.40	ND
1,2-Dichlorobenezene	0.020	0.40	ND	1,2,4-Trichlorobenzene	0.020	0.40	ND
1,3-Dichlorobenzene	0.020	0.40	ND	1,1,1-Trichloroethane	0.020	0.40	ND
1,4-Dichlorobenzene	0.020	0.40	ND	1,1,2-Trichloroethane	0.020	0.40	ND
trans-1,4-Dichloro-2-butene	0.020	0.40	ND	Trichloroethene (TCE)	0.020	0.40	ND
Dichlorodifluoromethane	0.020	0.40	ND	Trichlorofluoromethane	0.020	0.40	ND
1,1-Dichloroethane	0.020	0.40	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.020	0.40	ND
1,2-Dichloroethane	0.020	0.40	ND	1,2,3-Trichloropropane	0.020	0.40	ND
1,1-Dichloroethene	0.020	0.40	ND	1,2,4-Trimethylbenzene	0.020	0.40	ND
cis-1,2-Dichloroethene	0.020	0.40	ND	1,3,5-Trimethylbenzene	0.020	0.40	ND
trans-1,2-Dichloroethene	0.020	0.40	ND	Vinyl Chloride	0.020	0.40	ND
1,2-Dichloropropane	0.020	0.40	ND	Xylenes, total	0.020	0.40	ND
1,3-Dichloropropane	0.020	0.40	ND	**Oxygenates**			
2,2-Dichloropropane	0.020	0.40	ND	tert-Butyl Alcohol (tBA)	0.40	8.0	ND
1,1-Dichloropropene	0.020	0.40	ND	Methyl tert-Butyl Ether (MTBE)	0.020	0.40	ND
1,1-Dichloro-2-propanone	0.020	0.40	ND	Di-Isopropyl Ether (DIPE)	0.020	0.40	ND
cis-1,3-Dichloropropene	0.020	0.40	ND	Ethyl tert-Butyl Ether (EtBE)	0.020	0.40	ND
trans-1,3-Dichloropropene	0.020	0.40	ND	tert-Amyl Methyl Ether (tAME)	0.020	0.40	ND

Surrogate Recoveries

Dibromofluoromethane	NA	Toluene-d8	NA
1,2-Dichloroethane-d4	NA	p-Bromofluorobenzene	NA

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13072 Lab Reference Number: 1401069 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401069-06 Client Sample ID: FB-3@18 (4A13072-12)	Sampled: 01-11-14 Received: 01-17-14 Extracted: 01-24-14 Analyzed: 01-24-14 Reported: 02-05-04

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.16	1.6	ND	Diethyl ether	0.020	0.20	ND
Acrylonitrile	0.16	1.6	ND	Ethylbenzene	0.020	0.20	ND
Allyl Chloride	0.020	0.20	ND	Ethyl methacrylate	0.020	0.20	ND
Benzene	0.020	0.20	ND	Hexachloro 1,3-butadiene	0.020	0.20	ND
Bromobenzene	0.020	0.20	ND	Hexachloroethane	0.020	0.20	ND
Bromochloromethane	0.020	0.20	ND	2-Hexanone (Methyl butyl ketone)	0.020	0.20	ND
Bromodichloromethane	0.020	0.20	ND	Iodomethane (Methyl iodide)	0.020	0.20	ND
Bromoform	0.020	0.20	ND	Isopropylbenzene	0.020	0.20	ND
Bromomethane	0.020	0.20	ND	p-Isopropyltoluene	0.020	0.20	ND
2-Butanone (MEK)	0.16	1.6	ND	Methacrylonitrile	0.020	0.20	ND
n-Butylbenzene	0.020	0.20	ND	Methyl acrylate	0.020	0.20	ND
sec-Butylbenzene	0.020	0.20	ND	Methylene chloride	0.16	1.6	ND
tert-Butylbenzene	0.020	0.20	ND	Methyl methacrylate	0.020	0.20	ND
Carbon disulfide	0.020	0.20	ND	4-Methyl 2-pentanone (MIBK)	0.020	0.20	ND
Carbon tetrachloride	0.020	0.20	ND	Napthalene	0.040	0.40	ND
Chlorobenzene	0.020	0.20	ND	Nitrobenzene	0.16	1.6	ND
1-Chlorobutane	0.020	0.20	ND	Pentachloroethane	0.020	0.20	ND
Chloroethane	0.020	0.20	ND	Proprionitrile	0.16	1.6	ND
Chloroform	0.020	0.20	ND	n-Propylbenzene	0.020	0.20	ND
Chloromethane	0.020	0.20	ND	Styrene	0.020	0.20	ND
2-Chlorotoluene	0.020	0.20	ND	1,1,1,2-Tetrachloroethane	0.020	0.20	ND
4-Chlorotoluene	0.020	0.20	ND	1,1,2,2,-Tetrachlorethane	0.020	0.20	ND
Dibromochloromethane	0.020	0.20	ND	Tetrachloroethene (PCE)	0.020	0.20	ND
1,2-Dibromo 3-chloropropane (DBCP)	0.16	1.6	ND	Tetrahydrofuran (THF)	0.16	1.6	ND
1,2-Dibromoethane (EDB)	0.020	0.20	ND	Toluene	0.020	0.20	ND
Dibromomethane	0.020	0.20	ND	1,2,3-Trichlorobenzene	0.020	0.20	ND
1,2-Dichlorobenezene	0.020	0.20	ND	1,2,4-Trichlorobenzene	0.020	0.20	ND
1,3-Dichlorobenzene	0.020	0.20	ND	1,1,1-Trichloroethane	0.020	0.20	ND
1,4-Dichlorobenzene	0.020	0.20	ND	1,1,2-Trichloroethane	0.020	0.20	ND
trans-1,4-Dichloro-2-butene	0.020	0.20	ND	Trichloroethene (TCE)	0.020	0.20	ND
Dichlorodifluoromethane	0.020	0.20	ND	Trichlorofluoromethane	0.020	0.20	ND
1,1-Dichloroethane	0.020	0.20	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.020	0.20	ND
1,2-Dichloroethane	0.020	0.20	ND	1,2,3-Trichloropropane	0.020	0.20	ND
1,1-Dichloroethene	0.020	0.20	ND	1,2,4-Trimethylbenzene	0.020	0.20	ND
cis-1,2-Dichloroethene	0.020	0.20	**0.25**	1,3,5-Trimethylbenzene	0.020	0.20	ND
trans-1,2-Dichloroethene	0.020	0.20	ND	Vinyl Chloride	0.020	0.20	ND
1,2-Dichloropropane	0.020	0.20	ND	Xylenes, total	0.020	0.20	ND
1,3-Dichloropropane	0.020	0.20	ND	**Oxygenates**			
2,2-Dichloropropane	0.020	0.20	ND	tert-Butyl Alcohol (tBA)	0.40	4.0	ND
1,1-Dichloropropene	0.020	0.20	ND	Methyl tert-Butyl Ether (MTBE)	0.020	0.20	ND
1,1-Dichloro-2-propanone	0.020	0.20	ND	Di-Isopropyl Ether (DIPE)	0.020	0.20	ND
cis-1,3-Dichloropropene	0.020	0.20	ND	Ethyl tert-Butyl Ether (EtBE)	0.020	0.20	ND
trans-1,3-Dichloropropene	0.020	0.20	ND	tert-Amyl Methyl Ether (tAME)	0.020	0.20	ND

Surrogate Recoveries

Dibromofluoromethane	NA	Toluene-d8	NA
1,2-Dichloroethane-d4	NA	p-Bromofluorobenzene	NA

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate #2480

2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
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Moore Twining Associates, Inc.
2527 Fresno St.
Fresno, CA 93721
Attn: Julio Morales

Client Project ID: 4A13072
Lab Reference Number: 1401069
Sample Description: Soil
Sample Prep/Analysis Method: EPA 5030/8260
Lab Number: 1401069-07
Client Sample ID: FB-3@20 (4A13072-13)

Sampled: 01-11-14
Received: 01-17-14
Extracted: 01-24-14
Analyzed: 01-24-14
Reported: 02-05-04

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.16	0.32	ND	Diethyl ether	0.020	0.040	ND
Acrylonitrile	0.16	0.32	ND	Ethylbenzene	0.020	0.040	ND
Allyl Chloride	0.020	0.040	ND	Ethyl methacrylate	0.020	0.040	ND
Benzene	0.020	0.040	ND	Hexachloro 1,3-butadiene	0.020	0.040	ND
Bromobenzene	0.020	0.040	ND	Hexachloroethane	0.020	0.040	ND
Bromochloromethane	0.020	0.040	ND	2-Hexanone (Methyl butyl ketone)	0.020	0.040	ND
Bromodichloromethane	0.020	0.040	ND	Iodomethane (Methyl iodide)	0.020	0.040	ND
Bromoform	0.020	0.040	ND	Isopropylbenzene	0.020	0.040	ND
Bromomethane	0.020	0.040	ND	p-Isopropyltoluene	0.020	0.040	ND
2-Butanone (MEK)	0.16	0.32	ND	Methacrylonitrile	0.020	0.040	ND
n-Butylbenzene	0.020	0.040	ND	Methyl acrylate	0.020	0.040	ND
sec-Butylbenzene	0.020	0.040	ND	Methylene chloride	0.16	0.32	ND
tert-Butylbenzene	0.020	0.040	ND	Methyl methacrylate	0.020	0.040	ND
Carbon disulfide	0.020	0.040	ND	4-Methyl 2-pentanone (MIBK)	0.020	0.040	ND
Carbon tetrachloride	0.020	0.040	ND	Napthalene	0.040	0.08	ND
Chlorobenzene	0.020	0.040	ND	Nitrobenzene	0.16	0.32	ND
1-Chlorobutane	0.020	0.040	ND	Pentachloroethane	0.020	0.04	ND
Chloroethane	0.020	0.040	ND	Proprionitrile	0.16	0.32	ND
Chloroform	0.020	0.040	ND	n-Propylbenzene	0.020	0.040	ND
Chloromethane	0.020	0.040	ND	Styrene	0.020	0.040	ND
2-Chlorotoluene	0.020	0.040	ND	1,1,1,2-Tetrachloroethane	0.020	0.040	ND
4-Chlorotoluene	0.020	0.040	ND	1,1,2,2,-Tetrachlorethane	0.020	0.040	ND
Dibromochloromethane	0.020	0.040	ND	Tetrachloroethene (PCE)	0.020	0.04	**0.60**
1,2-Dibromo 3-chloropropane (DBCP)	0.16	0.32	ND	Tetrahydrofuran (THF)	0.16	0.32	ND
1,2-Dibromoethane (EDB)	0.020	0.040	ND	Toluene	0.020	0.040	ND
Dibromomethane	0.020	0.040	ND	1,2,3-Trichlorobenzene	0.020	0.040	ND
1,2-Dichlorobenezene	0.020	0.040	ND	1,2,4-Trichlorobenzene	0.020	0.040	ND
1,3-Dichlorobenzene	0.020	0.040	ND	1,1,1-Trichloroethane	0.020	0.040	ND
1,4-Dichlorobenzene	0.020	0.040	ND	1,1,2-Trichloroethane	0.020	0.040	ND
trans-1,4-Dichloro-2-butene	0.020	0.040	ND	Trichloroethene (TCE)	0.020	0.040	**0.042**
Dichlorodifluoromethane	0.020	0.040	ND	Trichlorofluoromethane	0.020	0.040	ND
1,1-Dichloroethane	0.020	0.040	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.020	0.040	ND
1,2-Dichloroethane	0.020	0.040	ND	1,2,3-Trichloropropane	0.020	0.040	ND
1,1-Dichloroethene	0.020	0.040	ND	1,2,4-Trimethylbenzene	0.020	0.040	ND
cis-1,2-Dichloroethene	0.020	0.040	**0.20**	1,3,5-Trimethylbenzene	0.020	0.040	ND
trans-1,2-Dichloroethene	0.020	0.040	ND	Vinyl Chloride	0.020	0.040	ND
1,2-Dichloropropane	0.020	0.040	ND	Xylenes, total	0.020	0.040	ND
1,3-Dichloropropane	0.020	0.040	ND	**Oxygenates**			
2,2-Dichloropropane	0.020	0.040	ND	tert-Butyl Alcohol (tBA)	0.40	0.800	ND
1,1-Dichloropropene	0.020	0.040	ND	Methyl tert-Butyl Ether (MTBE)	0.020	0.040	ND
1,1-Dichloro-2-propanone	0.020	0.040	ND	Di-Isopropyl Ether (DIPE)	0.020	0.040	ND
cis-1,3-Dichloropropene	0.020	0.040	ND	Ethyl tert-Butyl Ether (EtBE)	0.020	0.040	ND
trans-1,3-Dichloropropene	0.020	0.040	ND	tert-Amyl Methyl Ether (tAME)	0.020	0.020	ND

Surrogate Recoveries

Dibromofluoromethane	102%	Toluene-d8	94.4%
1,2-Dichloroethane-d4	81.4%	p-Bromofluorobenzene	62.6%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: Clari J Cone

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13072 Lab Reference Number: 1401069 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401069-08 Client Sample ID: FB-5@2 (4A13072-15)	Sampled: 01-11-14 Received: 01-17-14 Extracted: 01-22-04 Analyzed: 01-22-04 Reported: 02-05-04

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.020	0.020	**1.5**
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.0050	**0.0078**
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	**0.031**
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	**0.038**	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	**0.0070**
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	**0.0088**
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	101%	Toluene-d8	88.7%
1,2-Dichloroethane-d4	99.5%	p-Bromofluorobenzene	91.7%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: Clari Cone

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13072 Lab Reference Number: 1401069 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401069-09 Client Sample ID: FB-5@10 (4A13072-17)	Sampled: 01-11-14 Received: 01-17-14 Extracted: 01-22-04 Analyzed: 01-22-04 Reported: 02-05-04

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	**0.041**
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.0050	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	ND
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	**0.0052**	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	ND
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	92.3%	Toluene-d8	95.8%
1,2-Dichloroethane-d4	103%	p-Bromofluorobenzene	111%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13072 Lab Reference Number: 1401069 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401069-10 Client Sample ID: FB-5@15 (4A13072-18)	Sampled: 01-11-14 Received: 01-17-14 Extracted: 01-24-14 Analyzed: 01-24-14 Reported: 02-05-04

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.16	1.6	ND	Diethyl ether	0.020	0.20	ND
Acrylonitrile	0.16	1.6	ND	Ethylbenzene	0.020	0.20	**0.23**
Allyl Chloride	0.020	0.20	ND	Ethyl methacrylate	0.020	0.20	ND
Benzene	0.020	0.20	ND	Hexachloro 1,3-butadiene	0.020	0.20	ND
Bromobenzene	0.020	0.20	ND	Hexachloroethane	0.020	0.20	ND
Bromochloromethane	0.020	0.20	ND	2-Hexanone (Methyl butyl ketone)	0.020	0.20	ND
Bromodichloromethane	0.020	0.20	ND	Iodomethane (Methyl iodide)	0.020	0.20	ND
Bromoform	0.020	0.20	ND	Isopropylbenzene	0.020	0.20	**0.76**
Bromomethane	0.020	0.20	ND	p-Isopropyltoluene	0.020	0.20	ND
2-Butanone (MEK)	0.16	1.6	ND	Methacrylonitrile	0.020	0.20	ND
n-Butylbenzene	0.020	0.20	**2.0**	Methyl acrylate	0.020	0.20	ND
sec-Butylbenzene	0.020	0.20	**1.6**	Methylene chloride	0.16	1.6	ND
tert-Butylbenzene	0.020	0.20	ND	Methyl methacrylate	0.020	0.20	ND
Carbon disulfide	0.020	0.20	ND	4-Methyl 2-pentanone (MIBK)	0.020	0.20	ND
Carbon tetrachloride	0.020	0.20	ND	Napthalene	0.040	0.40	ND
Chlorobenzene	0.020	0.20	ND	Nitrobenzene	0.16	1.6	ND
1-Chlorobutane	0.020	0.20	ND	Pentachloroethane	0.020	0.20	ND
Chloroethane	0.020	0.20	ND	Proprionitrile	0.16	1.6	ND
Chloroform	0.020	0.20	ND	n-Propylbenzene	0.020	0.20	**1.1**
Chloromethane	0.020	0.20	ND	Styrene	0.020	0.20	ND
2-Chlorotoluene	0.020	0.20	ND	1,1,1,2-Tetrachloroethane	0.020	0.20	ND
4-Chlorotoluene	0.020	0.20	ND	1,1,2,2,-Tetrachlorethane	0.020	0.20	ND
Dibromochloromethane	0.020	0.20	ND	Tetrachloroethene (PCE)	0.020	4.0	**170**
1,2-Dibromo 3-chloropropane (DBCP)	0.16	1.6	ND	Tetrahydrofuran (THF)	0.16	1.6	ND
1,2-Dibromoethane (EDB)	0.020	0.20	ND	Toluene	0.020	0.20	**0.75**
Dibromomethane	0.020	0.20	ND	1,2,3-Trichlorobenzene	0.020	0.20	ND
1,2-Dichlorobenezene	0.020	0.20	ND	1,2,4-Trichlorobenzene	0.020	0.20	ND
1,3-Dichlorobenzene	0.020	0.20	ND	1,1,1-Trichloroethane	0.020	0.20	ND
1,4-Dichlorobenzene	0.020	0.20	ND	1,1,2-Trichloroethane	0.020	0.20	ND
trans-1,4-Dichloro-2-butene	0.020	0.20	ND	Trichloroethene (TCE)	0.020	4.0	**27**
Dichlorodifluoromethane	0.020	0.20	ND	Trichlorofluoromethane	0.020	0.20	ND
1,1-Dichloroethane	0.020	0.20	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.020	0.20	ND
1,2-Dichloroethane	0.020	0.20	ND	1,2,3-Trichloropropane	0.020	0.20	ND
1,1-Dichloroethene	0.020	0.20	ND	1,2,4-Trimethylbenzene	0.020	0.20	**0.58**
cis-1,2-Dichloroethene	0.020	0.20	**1.6**	1,3,5-Trimethylbenzene	0.020	0.20	ND
trans-1,2-Dichloroethene	0.020	0.20	ND	Vinyl Chloride	0.020	0.20	ND
1,2-Dichloropropane	0.020	0.20	ND	Xylenes, total	0.020	0.20	ND
1,3-Dichloropropane	0.020	0.20	ND	**Oxygenates**			
2,2-Dichloropropane	0.020	0.20	ND	tert-Butyl Alcohol (tBA)	0.40	4.0	ND
1,1-Dichloropropene	0.020	0.20	ND	Methyl tert-Butyl Ether (MTBE)	0.020	0.20	ND
1,1-Dichloro-2-propanone	0.020	0.20	ND	Di-Isopropyl Ether (DIPE)	0.020	0.20	ND
cis-1,3-Dichloropropene	0.020	0.20	ND	Ethyl tert-Butyl Ether (EtBE)	0.020	0.20	ND
trans-1,3-Dichloropropene	0.020	0.20	ND	tert-Amyl Methyl Ether (tAME)	0.020	0.20	ND

Surrogate Recoveries

Dibromofluoromethane	NA	Toluene-d8	NA
1,2-Dichloroethane-d4	NA	p-Bromofluorobenzene	NA

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: Clari J. Cone

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13072 Lab Reference Number: 1401069 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401069-11 Client Sample ID: FB-5@20 (4A13072-19)	Sampled: 01-11-14 Received: 01-17-14 Extracted: 01-24-14 Analyzed: 01-24-14 Reported: 02-05-04

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.16	0.32	ND	Diethyl ether	0.020	0.040	ND
Acrylonitrile	0.16	0.16	ND	Ethylbenzene	0.020	0.040	ND
Allyl Chloride	0.020	0.040	ND	Ethyl methacrylate	0.020	0.040	ND
Benzene	0.020	0.040	ND	Hexachloro 1,3-butadiene	0.020	0.040	ND
Bromobenzene	0.020	0.040	ND	Hexachloroethane	0.020	0.040	ND
Bromochloromethane	0.020	0.040	ND	2-Hexanone (Methyl butyl ketone)	0.020	0.040	ND
Bromodichloromethane	0.020	0.040	ND	Iodomethane (Methyl iodide)	0.020	0.040	ND
Bromoform	0.020	0.040	ND	Isopropylbenzene	0.020	0.040	ND
Bromomethane	0.020	0.040	ND	p-Isopropyltoluene	0.020	0.040	ND
2-Butanone (MEK)	0.16	0.32	ND	Methacrylonitrile	0.020	0.040	ND
n-Butylbenzene	0.020	0.040	ND	Methyl acrylate	0.020	0.040	ND
sec-Butylbenzene	0.020	0.040	ND	Methylene chloride	0.16	0.32	ND
tert-Butylbenzene	0.020	0.040	ND	Methyl methacrylate	0.020	0.040	ND
Carbon disulfide	0.020	0.040	ND	4-Methyl 2-pentanone (MIBK)	0.020	0.040	ND
Carbon tetrachloride	0.020	0.040	ND	Napthalene	0.010	0.020	ND
Chlorobenzene	0.020	0.040	ND	Nitrobenzene	0.16	0.32	ND
1-Chlorobutane	0.020	0.040	ND	Pentachloroethane	0.020	0.040	ND
Chloroethane	0.020	0.040	ND	Proprionitrile	0.16	0.32	ND
Chloroform	0.020	0.040	ND	n-Propylbenzene	0.020	0.040	ND
Chloromethane	0.020	0.040	ND	Styrene	0.020	0.040	ND
2-Chlorotoluene	0.020	0.040	ND	1,1,1,2-Tetrachloroethane	0.020	0.040	ND
4-Chlorotoluene	0.020	0.040	ND	1,1,2,2,-Tetrachlorethane	0.020	0.040	ND
Dibromochloromethane	0.020	0.040	ND	Tetrachloroethene (PCE)	0.020	0.20	**7.1**
1,2-Dibromo 3-chloropropane (DBCP)	0.16	0.32	ND	Tetrahydrofuran (THF)	0.16	0.32	ND
1,2-Dibromoethane (EDB)	0.020	0.040	ND	Toluene	0.020	0.040	ND
Dibromomethane	0.020	0.040	ND	1,2,3-Trichlorobenzene	0.020	0.040	ND
1,2-Dichlorobenezene	0.020	0.040	ND	1,2,4-Trichlorobenzene	0.020	0.040	ND
1,3-Dichlorobenzene	0.020	0.040	ND	1,1,1-Trichloroethane	0.020	0.040	ND
1,4-Dichlorobenzene	0.020	0.040	ND	1,1,2-Trichloroethane	0.020	0.040	ND
trans-1,4-Dichloro-2-butene	0.020	0.040	ND	Trichloroethene (TCE)	0.020	0.040	**1.8**
Dichlorodifluoromethane	0.020	0.040	ND	Trichlorofluoromethane	0.020	0.040	ND
1,1-Dichloroethane	0.020	0.040	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.020	0.040	ND
1,2-Dichloroethane	0.020	0.040	ND	1,2,3-Trichloropropane	0.020	0.040	ND
1,1-Dichloroethene	0.020	0.040	ND	1,2,4-Trimethylbenzene	0.020	0.040	ND
cis-1,2-Dichloroethene	0.020	0.040	**1.8**	1,3,5-Trimethylbenzene	0.020	0.040	ND
trans-1,2-Dichloroethene	0.020	0.040	ND	Vinyl Chloride	0.020	0.040	ND
1,2-Dichloropropane	0.020	0.040	ND	Xylenes, total	0.020	0.040	ND
1,3-Dichloropropane	0.020	0.040	ND	**Oxygenates**			
2,2-Dichloropropane	0.020	0.040	ND	tert-Butyl Alcohol (tBA)	0.40	0.80	ND
1,1-Dichloropropene	0.020	0.040	ND	Methyl tert-Butyl Ether (MTBE)	0.020	0.040	ND
1,1-Dichloro-2-propanone	0.020	0.040	ND	Di-Isopropyl Ether (DIPE)	0.020	0.040	ND
cis-1,3-Dichloropropene	0.020	0.040	ND	Ethyl tert-Butyl Ether (EtBE)	0.020	0.040	ND
trans-1,3-Dichloropropene	0.020	0.040	ND	tert-Amyl Methyl Ether (tAME)	0.020	0.040	ND

Surrogate Recoveries

Dibromofluoromethane	NA	Toluene-d8	NA
1,2-Dichloroethane-d4	NA	p-Bromofluorobenzene	NA

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13072 Lab Reference Number: 1401069 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401069-12 Client Sample ID: FB-8@5 (4A13072-22)	Sampled: 01-12-14 Received: 01-17-14 Extracted: 01-22-04 Analyzed: 01-22-04 Reported: 02-05-04

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	**0.032**
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	**0.028**
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.0050	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	ND
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	ND	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	ND
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	91.8%	Toluene-d8	99.2%
1,2-Dichloroethane-d4	98.3%	p-Bromofluorobenzene	111%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc.
2527 Fresno St.
Fresno, CA 93721
Attn: Julio Morales

Client Project ID: 4A13072
Lab Reference Number: 1401069
Sample Description: Soil
Sample Prep/Analysis Method: EPA 5030/8260
Lab Number: 1401069-13
Client Sample ID: FB-8@10 (4A13072-23)

Sampled: 01-12-14
Received: 01-17-14
Extracted: 01-22-04
Analyzed: 01-22-04
Reported: 02-05-04

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	**0.019**
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.0050	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	ND
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	**0.015**	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	ND
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	94.1%	Toluene-d8	95.8%
1,2-Dichloroethane-d4	96.6%	p-Bromofluorobenzene	113%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc.
2527 Fresno St.
Fresno, CA 93721
Attn: Julio Morales

Client Project ID: 4A13072
Lab Reference Number: 1401069
Sample Description: Soil
Sample Prep/Analysis Method: EPA 5030/8260
Lab Number: 1401069-14
Client Sample ID: FB-8@15 (4A13072-24)

Sampled: 01-12-14
Received: 01-17-14
Extracted: 01-22-04
Analyzed: 01-22-04
Reported: 02-05-04

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	**0.017**
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.0050	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	ND
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	**0.013**	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	**0.0051**
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	95.2%	Toluene-d8	96.1%
1,2-Dichloroethane-d4	94.4%	p-Bromofluorobenzene	118%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13072 Lab Reference Number: 1401069 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401069-15 Client Sample ID: FB-8@18 (4A13072-25)	Sampled: 01-12-14 Received: 01-17-14 Extracted: 01-22-04 Analyzed: 01-22-04 Reported: 02-05-04

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	**0.16**
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.0050	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	**0.020**
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	**0.030**	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	ND
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	91.3%	Toluene-d8	97.4%
1,2-Dichloroethane-d4	99.0%	p-Bromofluorobenzene	119%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc.
2527 Fresno St.
Fresno, CA 93721
Attn: Julio Morales

Client Project ID: 4A13072
Lab Reference Number: 1401069
Sample Description: Soil
Sample Prep/Analysis Method: EPA 5030/8260
Lab Number: 1401069-16
Client Sample ID: FB-9@5 (4A13072-28)

Sampled: 01-12-14
Received: 01-17-14
Extracted: 01-22-04
Analyzed: 01-22-04
Reported: 02-05-04

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	**0.086**
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.0050	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	**0.0099**
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	**0.013**	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	**0.0052**
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	101%	Toluene-d8	91.4%
1,2-Dichloroethane-d4	99.1%	p-Bromofluorobenzene	90.0%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13072 Lab Reference Number: 1401069 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401069-17 Client Sample ID: FB-9@10 (4A13072-29)	Sampled: 01-12-14 Received: 01-17-14 Extracted: 01-22-04 Analyzed: 01-22-04 Reported: 02-05-04

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	**0.024**
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.0050	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	ND
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	**0.029**	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	ND
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	99.4%	Toluene-d8	97.3%
1,2-Dichloroethane-d4	98.6%	p-Bromofluorobenzene	112%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13072 Lab Reference Number: 1401069 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401069-18 Client Sample ID: FB-9@15 (4A13072-30)	Sampled: 01-12-14 Received: 01-17-14 Extracted: 01-22-04 Analyzed: 01-22-04 Reported: 02-05-04

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	ND
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.0050	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	ND
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	ND	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	**0.0094**
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	94.6%	Toluene-d8	94.7%
1,2-Dichloroethane-d4	75.1%	p-Bromofluorobenzene	113%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Phone: (209) 384-2930
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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13072 Lab Reference Number: 1401069 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401069-19 Client Sample ID: FB-9@20 (4A13072-32)	Sampled: 01-12-14 Received: 01-17-14 Extracted: 01-22-04 Analyzed: 01-22-04 Reported: 02-05-04

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	**0.058**
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.0050	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	ND
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	**0.033**	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	**0.0058**
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	91.8%	Toluene-d8	98.5%
1,2-Dichloroethane-d4	80.6%	p-Bromofluorobenzene	114%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13072 Lab Reference Number: 1401069 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401069-20 Client Sample ID: FB-10@2 (4A13072-34)	Sampled: 01-12-14 Received: 01-17-14 Extracted: 01-22-04 Analyzed: 01-22-04 Reported: 02-05-04

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	**0.025**
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.0050	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	ND
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	ND	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	ND
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	102%	Toluene-d8	95.3%
1,2-Dichloroethane-d4	113%	p-Bromofluorobenzene	119%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13072 Lab Reference Number: 1401069 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401069-21 Client Sample ID: FB-10@10 (4A13072-36)	Sampled: 01-12-14 Received: 01-17-14 Extracted: 01-22-04 Analyzed: 01-22-04 Reported: 02-05-04

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	**0.18**
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.0050	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	**0.055**
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	**0.26**	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	ND
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	101%	Toluene-d8	97.9%
1,2-Dichloroethane-d4	77.2%	p-Bromofluorobenzene	113%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc.
2527 Fresno St.
Fresno, CA 93721
Attn: Julio Morales

Client Project ID: 4A13072
Lab Reference Number: 1401069
Sample Description: Soil
Sample Prep/Analysis Method: EPA 5030/8260
Lab Number: 1401069-22
Client Sample ID: FB-10@18 (4A13072-38)

Sampled: 01-12-14
Received: 01-17-14
Extracted: 01-24-14
Analyzed: 01-24-14
Reported: 02-05-04

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.16	3.2	ND	Diethyl ether	0.020	0.40	ND
Acrylonitrile	0.16	3.2	ND	Ethylbenzene	0.020	0.40	ND
Allyl Chloride	0.020	0.40	ND	Ethyl methacrylate	0.020	0.40	ND
Benzene	0.020	0.40	ND	Hexachloro 1,3-butadiene	0.020	0.40	ND
Bromobenzene	0.020	0.40	ND	Hexachloroethane	0.020	0.40	ND
Bromochloromethane	0.020	0.40	ND	2-Hexanone (Methyl butyl ketone)	0.020	0.40	ND
Bromodichloromethane	0.020	0.40	ND	Iodomethane (Methyl iodide)	0.020	0.40	ND
Bromoform	0.020	0.40	ND	Isopropylbenzene	0.020	0.40	ND
Bromomethane	0.020	0.40	ND	p-Isopropyltoluene	0.020	0.40	ND
2-Butanone (MEK)	0.16	3.2	ND	Methacrylonitrile	0.020	0.40	ND
n-Butylbenzene	0.020	0.40	ND	Methyl acrylate	0.020	0.40	ND
sec-Butylbenzene	0.020	0.40	ND	Methylene chloride	0.16	3.2	ND
tert-Butylbenzene	0.020	0.40	ND	Methyl methacrylate	0.020	0.40	ND
Carbon disulfide	0.020	0.40	ND	4-Methyl 2-pentanone (MIBK)	0.020	0.40	ND
Carbon tetrachloride	0.020	0.40	ND	Napthalene	0.040	0.80	ND
Chlorobenzene	0.020	0.40	ND	Nitrobenzene	0.16	3.2	ND
1-Chlorobutane	0.020	0.40	ND	Pentachloroethane	0.020	0.40	ND
Chloroethane	0.020	0.40	ND	Proprionitrile	0.16	3.20	ND
Chloroform	0.020	0.40	ND	n-Propylbenzene	0.020	0.40	ND
Chloromethane	0.020	0.40	ND	Styrene	0.020	0.40	ND
2-Chlorotoluene	0.020	0.40	ND	1,1,1,2-Tetrachloroethane	0.020	0.40	ND
4-Chlorotoluene	0.020	0.40	ND	1,1,2,2,-Tetrachlorethane	0.020	0.40	ND
Dibromochloromethane	0.020	0.40	ND	Tetrachloroethene (PCE)	0.020	0.40	**2.2**
1,2-Dibromo 3-chloropropane (DBCP)	0.16	3.2	ND	Tetrahydrofuran (THF)	0.16	3.2	ND
1,2-Dibromoethane (EDB)	0.020	0.40	ND	Toluene	0.020	0.40	ND
Dibromomethane	0.020	0.40	ND	1,2,3-Trichlorobenzene	0.020	0.40	ND
1,2-Dichlorobenezene	0.020	0.40	ND	1,2,4-Trichlorobenzene	0.020	0.40	ND
1,3-Dichlorobenzene	0.020	0.40	ND	1,1,1-Trichloroethane	0.020	0.40	ND
1,4-Dichlorobenzene	0.020	0.40	ND	1,1,2-Trichloroethane	0.020	0.40	ND
trans-1,4-Dichloro-2-butene	0.020	0.40	ND	Trichloroethene (TCE)	0.020	0.40	**2.3**
Dichlorodifluoromethane	0.020	0.40	ND	Trichlorofluoromethane	0.020	0.40	ND
1,1-Dichloroethane	0.020	0.40	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.020	0.40	ND
1,2-Dichloroethane	0.020	0.40	ND	1,2,3-Trichloropropane	0.020	0.40	ND
1,1-Dichloroethene	0.020	0.40	ND	1,2,4-Trimethylbenzene	0.020	0.40	ND
cis-1,2-Dichloroethene	0.020	0.40	ND	1,3,5-Trimethylbenzene	0.020	0.40	ND
trans-1,2-Dichloroethene	0.020	0.40	ND	Vinyl Chloride	0.020	0.40	ND
1,2-Dichloropropane	0.020	0.40	ND	Xylenes, total	0.020	0.40	ND
1,3-Dichloropropane	0.020	0.40	ND	**Oxygenates**			
2,2-Dichloropropane	0.020	0.40	ND	tert-Butyl Alcohol (tBA)	0.40	8.0	ND
1,1-Dichloropropene	0.020	0.40	ND	Methyl tert-Butyl Ether (MTBE)	0.020	0.40	ND
1,1-Dichloro-2-propanone	0.020	0.40	ND	Di-Isopropyl Ether (DIPE)	0.020	0.40	ND
cis-1,3-Dichloropropene	0.020	0.40	ND	Ethyl tert-Butyl Ether (EtBE)	0.020	0.40	ND
trans-1,3-Dichloropropene	0.020	0.40	ND	tert-Amyl Methyl Ether (tAME)	0.020	0.40	ND

Surrogate Recoveries

Dibromofluoromethane	NA	Toluene-d8	NA
1,2-Dichloroethane-d4	NA	p-Bromofluorobenzene	NA

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: Clari Cone

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Phone: (209) 384-2930
Fax: (209) 384-1507

Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13072 Lab Reference Number: 1401069 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401069-23 Client Sample ID: FB-10@20 (4A13072-39)	Sampled: 01-12-14 Received: 01-17-14 Extracted: 01-24-14 Analyzed: 01-24-14 Reported: 02-05-04

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.16	0.32	ND	Diethyl ether	0.020	0.040	ND
Acrylonitrile	0.16	0.16	ND	Ethylbenzene	0.020	0.040	ND
Allyl Chloride	0.020	0.040	ND	Ethyl methacrylate	0.020	0.040	ND
Benzene	0.020	0.040	ND	Hexachloro 1,3-butadiene	0.020	0.040	ND
Bromobenzene	0.020	0.040	ND	Hexachloroethane	0.020	0.040	ND
Bromochloromethane	0.020	0.040	ND	2-Hexanone (Methyl butyl ketone)	0.020	0.040	ND
Bromodichloromethane	0.020	0.040	ND	Iodomethane (Methyl iodide)	0.020	0.040	ND
Bromoform	0.020	0.040	ND	Isopropylbenzene	0.020	0.040	ND
Bromomethane	0.020	0.040	ND	p-Isopropyltoluene	0.020	0.040	ND
2-Butanone (MEK)	0.16	0.32	ND	Methacrylonitrile	0.020	0.040	ND
n-Butylbenzene	0.020	0.040	ND	Methyl acrylate	0.020	0.040	ND
sec-Butylbenzene	0.020	0.040	ND	Methylene chloride	0.16	0.32	ND
tert-Butylbenzene	0.020	0.040	ND	Methyl methacrylate	0.020	0.040	ND
Carbon disulfide	0.020	0.040	ND	4-Methyl 2-pentanone (MIBK)	0.020	0.040	ND
Carbon tetrachloride	0.020	0.040	ND	Napthalene	0.010	0.020	ND
Chlorobenzene	0.020	0.040	ND	Nitrobenzene	0.16	0.32	ND
1-Chlorobutane	0.020	0.040	ND	Pentachloroethane	0.020	0.040	ND
Chloroethane	0.020	0.040	ND	Proprionitrile	0.16	0.32	ND
Chloroform	0.020	0.040	ND	n-Propylbenzene	0.020	0.040	ND
Chloromethane	0.020	0.040	ND	Styrene	0.020	0.040	ND
2-Chlorotoluene	0.020	0.040	ND	1,1,1,2-Tetrachloroethane	0.020	0.040	ND
4-Chlorotoluene	0.020	0.040	ND	1,1,2,2,-Tetrachlorethane	0.020	0.040	ND
Dibromochloromethane	0.020	0.040	ND	Tetrachloroethene (PCE)	0.020	0.040	**1.8**
1,2-Dibromo 3-chloropropane (DBCP)	0.16	0.32	ND	Tetrahydrofuran (THF)	0.16	0.32	ND
1,2-Dibromoethane (EDB)	0.020	0.040	ND	Toluene	0.020	0.040	ND
Dibromomethane	0.020	0.040	ND	1,2,3-Trichlorobenzene	0.020	0.040	ND
1,2-Dichlorobenezene	0.020	0.040	ND	1,2,4-Trichlorobenzene	0.020	0.040	ND
1,3-Dichlorobenzene	0.020	0.040	ND	1,1,1-Trichloroethane	0.020	0.040	ND
1,4-Dichlorobenzene	0.020	0.040	ND	1,1,2-Trichloroethane	0.020	0.040	ND
trans-1,4-Dichloro-2-butene	0.020	0.040	ND	Trichloroethene (TCE)	0.020	0.040	**0.24**
Dichlorodifluoromethane	0.020	0.040	ND	Trichlorofluoromethane	0.020	0.040	ND
1,1-Dichloroethane	0.020	0.040	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.020	0.040	ND
1,2-Dichloroethane	0.020	0.040	ND	1,2,3-Trichloropropane	0.020	0.040	ND
1,1-Dichloroethene	0.020	0.040	ND	1,2,4-Trimethylbenzene	0.020	0.040	ND
cis-1,2-Dichloroethene	0.020	0.040	**0.20**	1,3,5-Trimethylbenzene	0.020	0.040	ND
trans-1,2-Dichloroethene	0.020	0.040	ND	Vinyl Chloride	0.020	0.040	ND
1,2-Dichloropropane	0.020	0.040	ND	Xylenes, total	0.020	0.040	ND
1,3-Dichloropropane	0.020	0.040	ND	**Oxygenates**			
2,2-Dichloropropane	0.020	0.040	ND	tert-Butyl Alcohol (tBA)	0.40	0.80	ND
1,1-Dichloropropene	0.020	0.040	ND	Methyl tert-Butyl Ether (MTBE)	0.020	0.040	ND
1,1-Dichloro-2-propanone	0.020	0.040	ND	Di-Isopropyl Ether (DIPE)	0.020	0.040	ND
cis-1,3-Dichloropropene	0.020	0.040	ND	Ethyl tert-Butyl Ether (EtBE)	0.020	0.040	ND
trans-1,3-Dichloropropene	0.020	0.040	ND	tert-Amyl Methyl Ether (tAME)	0.020	0.040	ND

Surrogate Recoveries

Dibromofluoromethane	NA	Toluene-d8	NA
1,2-Dichloroethane-d4	NA	p-Bromofluorobenzene	NA

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc.
2527 Fresno St.
Fresno, CA 93721
Attn: Julio Morales

Client Project ID: 4A13072
Lab Reference Number: 1401069
Sample Description: Soil
Sample Prep/Analysis Method: EPA 5030/8260
Lab Number: 1401069-24
Client Sample ID: FB-12@2 (4A13072-41)

Sampled: 01-12-14
Received: 01-17-14
Extracted: 01-22-04
Analyzed: 01-22-04
Reported: 02-05-04

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	ND
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.0050	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	ND
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	ND	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	ND
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	98.5%	Toluene-d8	97.4%
1,2-Dichloroethane-d4	104%	p-Bromofluorobenzene	117%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc.
2527 Fresno St.
Fresno, CA 93721
Attn: Julio Morales

Client Project ID: 4A13072
Lab Reference Number: 1401069
Sample Description: Soil
Sample Prep/Analysis Method: EPA 5030/8260
Lab Number: 1401069-25
Client Sample ID: FB-12@10 (4A13072-43)

Sampled: 01-12-14
Received: 01-17-14
Extracted: 01-22-04
Analyzed: 01-22-04
Reported: 02-05-04

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	**0.0074**
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.0050	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	ND
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	**0.0057**	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	ND
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	97.6%	Toluene-d8	101%
1,2-Dichloroethane-d4	96.0%	p-Bromofluorobenzene	111%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc.
2527 Fresno St.
Fresno, CA 93721
Attn: Julio Morales

Client Project ID: 4A13072
Lab Reference Number: 1401069
Sample Description: Soil
Sample Prep/Analysis Method: EPA 5030/8260
Lab Number: 1401069-26
Client Sample ID: FB-12@18 (4A13072-45)

Sampled: 01-12-14
Received: 01-17-14
Extracted: 01-22-04
Analyzed: 01-22-04
Reported: 02-05-04

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	**0.015**
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.0050	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	ND
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	**0.0053**	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	ND
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	97.4%	Toluene-d8	98.8%
1,2-Dichloroethane-d4	97.5%	p-Bromofluorobenzene	109%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13072 Lab Reference Number: 1401069-(01,03,04,08,09, 12-21, 24,25,26) Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260	Method: EPA 5030/8260B Instrument ID: VARIAN MS Prepared: 01-22-04 Analyzed: 01-22-04 Reported: 02-05-04

QUALITY CONTROL DATA REPORT

SPIKE ID: VSMS-1224 DP

	Reporting Limit mg/Kg	BLANK Result mg/Kg	Spiking Level mg/Kg	Control Spike %R	%R Limits
COMPOUNDS					
t-Butyl Alcohol (t-BA)	0.10	ND	3.0	112%	45.9 - 164.2
Methyl t-butyl ether (MTBE)	0.0050	ND	0.10	121%	52.7 - 143.2
Diisopropyl ether (DIPE)	0.0050	ND	0.10	118%	50.0 - 152.9
Ethyl t-Butyl ether (ETBE)	0.0050	ND	0.10	118%	42.0 - 155.8
t-Amyl methyl ether (TAME)	0.0050	ND	0.10	112%	39.5 - 154.3
1,2-Dichloroethane (1,2-DCA)	0.0050	ND	0.10	115%	49.6 - 166.5
Ethylene dibromide (EDB)	0.0050	ND	0.10	130%	68.2 - 134.0
1,1-Dichloroethene (1,1,DCE)	0.0050	ND	0.10	73.6%	50.9 - 160.7
Benzene	0.0050	ND	0.10	108%	66.6 - 144.6
Trichloroethene (TCE)	0.0050	ND	0.10	104%	65.8 - 150.0
Toluene	0.0050	ND	0.10	246%	72.7 - 138.3
Chlorobenzene	0.0050	ND	0.10	119%	66.5 - 142.2
Surrogate:					
Dibromofluoromethane	0.010	98.9%	0.40	101%	59.1 - 167.9
1,2-Dichloroethane-d4	0.010	99.6%	0.40	100%	65.2 - 148.6
Toluene-d8	0.010	95.2%	0.40	102%	74.3 - 141.2
4-Bromofluorobenzene	0.010	109%	0.40	109%	79.7 - 128.9

	Spiking Level mg/Kg	MATRIX SPIKE %R	MATRIX SPIKE DUP %R	%R Limits	%RPD
COMPOUNDS					
t-Butyl Alcohol (t-BA)	3.0	107%	85.9%	35.7 - 169.9	21.4%
Methyl t-butyl ether (MTBE)	0.10	72.4%	58.0%	46.6 - 144.2	10.9%
Diisopropyl ether (DIPE)	0.10	102%	94.4%	56.5 - 125.2	7.75%
Ethyl t-Butyl ether (ETBE)	0.10	108%	100%	57.1 - 127.9	7.66%
t-Amyl methyl ether (TAME)	0.10	108%	91.6%	54.9 - 117.2	16.1%
1,2-Dichloroethane (1,2-DCA)	0.10	110%	95.2%	48.1 - 144.3	14.4%
Ethylene dibromide (EDB)	0.10	115%	102%	53.3 - 132.8	11.4%
1,1-Dichloroethene (1,1,DCE)	0.10	70.8%	64.8%	22.0 - 158.9	8.85%
Benzene	0.10	94.0%	86.0%	61.1 - 124.9	8.55%
Trichloroethene (TCE)	0.10	357%	210%	52.7 - 142.3	44.2%
Toluene	0.10	93.2%	88.8%	56.2 - 122.3	4.17%
Chlorobenzene	0.10	114%	104%	53.8 - 132.7	9.91%
Surrogate:					
Dibromofluoromethane	0.40	99.8%	95.6%	52.0 - 154.4	4.30%
1,2-Dichloroethane-d4	0.40	92.3%	97.0%	55.7 - 147.1	4.97%
Toluene-d8	0.40	96.8%	96.8%	61.0 - 134.2	0.00%
4-Bromofluorobenzene	0.40	110%	107%	47.9 - 144.0	3.51%

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13071 Lab Reference Number: 1401069-02,05,06,07 10,11,22,23 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260B	Method: EPA 5030/8260B Instrument ID: VARIAN MS Prepared: 01-24-14 Analyzed: 01-24-14 Reported: 02-05-14

QUALITY CONTROL DATA REPORT

SPIKE ID: VSMS-1244 ME

COMPOUNDS	Reporting Limit mg/Kg	BLANK Result mg/Kg	Spiking Level mg/Kg	Control Spike %R	%R Limits
t-Butyl Alcohol (t-BA)	0.80	ND	3.0	NA*	70-130
Methyl t-butyl ether (MTBE)	0.0200	ND	0.10	NA*	70-130
Diisopropyl ether (DIPE)	0.0200	ND	0.10	NA*	70-130
Ethyl t-Butyl ether (ETBE)	0.0200	ND	0.10	NA*	70-130
t-Amyl methyl ether (TAME)	0.0200	ND	0.10	NA*	70-130
1,2-Dichloroethane (1,2-DCA)	0.0200	ND	0.10	NA*	70-130
Ethylene dibromide (EDB)	0.0200	ND	0.10	NA*	70-130
1,1-Dichloroethene (1,1,DCE)	0.0200	ND	0.10	NA*	70-130
Benzene	0.0200	ND	0.10	NA*	70-130
Trichloroethene (TCE)	0.0200	ND	0.10	NA*	70-130
Toluene	0.0200	ND	0.10	NA*	70-130
Chlorobenzene	0.0200	ND	0.10	NA*	70-130
Surrogate:					
Dibromofluoromethane	0.400	123%	0.40	NA*	70-130
1,2-Dichloroethane-d4	0.400	117.3%	0.40	NA*	70-130
Toluene-d8	0.400	121.4%	0.40	NA*	70-130
4-Bromofluorobenzene	0.400	141%	0.40	NA*	70-130

COMPOUNDS	Spiking Level mg/Kg	CONTOL SPIKE %R	CONTOL SPIKE DUP %R	%R Limits	%RPD
t-Butyl Alcohol (t-BA)	3.0	57.4%	65.9%	60-130%	13.7%
Methyl t-butyl ether (MTBE)	0.10	102%	103%	70-130%	1.17%
Diisopropyl ether (DIPE)	0.10	96.8%	96.4%	70-130%	0.414%
Ethyl t-Butyl ether (ETBE)	0.10	94.4%	93.8%	70-130%	0.595%
t-Amyl methyl ether (TAME)	0.10	97.2%	101%	70-130%	3.95%
1,2-Dichloroethane (1,2-DCA)	0.10	73.6%	78.7%	70-130%	6.72%
Ethylene dibromide (EDB)	0.10	96.4%	103%	70-130%	6.93%
1,1-Dichloroethene (1,1,DCE)	0.10	87.2%	87.3%	60-130%	0.138%
Benzene	0.10	94.0%	94.3%	70-130%	0.340%
Trichloroethene (TCE)	0.10	90.3%	85.6%	70-130%	5.37%
Toluene	0.10	90.3%	95.9%	70-130%	6.02%
Chlorobenzene	0.10	91.7%	91.2%	70-130%	0.569%
Surrogate:					
Dibromofluoromethane	0.40	103%	114%	70-130%	10.4%
1,2-Dichloroethane-d4	0.40	106%	114%	70-130%	7.91%
Toluene-d8	0.40	107%	111%	70-130%	3.88%
4-Bromofluorobenzene	0.40	119%	115%	70-130%	3.72%

* See Control Spike and Control Spike Duplicate

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13072 Lab Reference Number: 1401069 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8015B Lab Numbers: 1401069-01, 02, 03, 04, 05	Sampled: 01-11-14 Received: 01-17-14 Extracted: 01-23-14 Analyzed: 01-23-14 Reported: 02-05-14

TOTAL PETROLEUM HYDROCARBONS - GASOLINE

ANALYTE	REPORTING LIMIT (mg/kg)	SAMPLE ID FB-1@10 (4A13072-03) (mg/kg)	SAMPLE ID FB-1@18 (4A13072-04) (mg/kg)	SAMPLE ID FB-1@20 (4A13072-05) (mg/kg)	SAMPLE ID FB-3@10 (4A13072-10) (mg/kg)	SAMPLE ID FB-3@15 (4A13072-11) (mg/kg)
GASOLINE RANGE HYDROCARBONS C6-C10	1.0	ND	28	13	ND	470
Report Limit Multiplication Factor:		1	10	1	1	100
			non-gasoline pattern heavier hydrocarbons			non-gasoline pattern heavier hydrocarbons

Surrogate % Recovery:		FID: 74.3%	NA	FID: 215%	FID: 69.0%	NA
Instrument ID:		HP-GC1	HP-GC1	HP-GC1	HP-GC1	HP-GC1

Analytes reported as ND were not detected or below the Practical Quantitation Limit
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13072 Lab Reference Number: 1401069 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8015B Lab Numbers: 1401069-06, 07, 08, 09, 10	Sampled: 01-11-14 Received: 01-17-14 Extracted: 01-23-14 Analyzed: 01-23-14 Reported: 02-05-14

TOTAL PETROLEUM HYDROCARBONS - GASOLINE

ANALYTE	REPORTING LIMIT (mg/kg)	SAMPLE ID FB-3@18 (4A13072-12) (mg/kg)	SAMPLE ID FB-3@20 (4A13072-13) (mg/kg)	SAMPLE ID FB-5@2 (4A13072-15) (mg/kg)	SAMPLE ID FB-5@10 (4A13072-17) (mg/kg)	SAMPLE ID FB-5@15 (4A13072-18) (mg/kg)
GASOLINE RANGE HYDROCARBONS C6-C10	1.0	420	57	ND	ND	540
Report Limit Multiplication Factor:		100	10	1	1	50
		non-gasoline pattern heavier hydrocarbons	non-gasoline pattern heavier hydrocarbons			non-gasoline pattern heavier hydrocarbons

Surrogate % Recovery:	NA	NA	FID: 60.9%	FID: 61.3%	NA
Instrument ID:	HP-GC1	HP-GC1	HP-GC1	HP-GC1	HP-GC1

Analytes reported as ND were not detected or below the Practical Quantitation Limit
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13072 Lab Reference Number: 1401069 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8015B Lab Numbers: 1401068-11, 12, 13, 14, 15	Sampled: See Below Received: 01-17-14 Extracted: 01-23-14 Analyzed: 01-23-14 Reported: 02-05-14

TOTAL PETROLEUM HYDROCARBONS - GASOLINE

ANALYTE	REPORTING LIMIT (mg/kg)	SAMPLE ID FB-5@20 (4A13072-19) (mg/kg)	SAMPLE ID FB-8@5 (4A13072-22) (mg/kg)	SAMPLE ID FB-8@10 (4A13072-23) (mg/kg)	SAMPLE ID FB-8@15 (4A13072-24) (mg/kg)	SAMPLE ID FB-8@18 (4A13072-25) (mg/kg)
GASOLINE RANGE HYDROCARBONS C6-C10	1.0	100	ND	ND	ND	ND
Report Limit Multiplication Factor:		20	1	1	1	1
Date Sampled:		01-11-14	01-12-14	01-12-14	01-12-14	01-12-14
		non-gasoline pattern heavier hydrocarbons				

Surrogate % Recovery:	NA	FID: 65.1%	FID: 64.0%	FID: 66.4%	FID: 64.2%
Instrument ID:	HP-GC1	HP-GC1	HP-GC1	HP-GC1	HP-GC1

Analytes reported as ND were not detected or below the Practical Quantitation Limit
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13072 Lab Reference Number: 1401069 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8015B Lab Numbers: 1401068-16, 17, 18, 19, 20	Sampled: 01-12-14 Received: 01-17-14 Extracted: 01-23-14 Analyzed: 01-23-14 Reported: 02-05-14

TOTAL PETROLEUM HYDROCARBONS - GASOLINE

ANALYTE	REPORTING LIMIT (mg/kg)	SAMPLE ID FB-9@5 (4A13072-28) (mg/kg)	SAMPLE ID FB-9@10 (4A13072-29) (mg/kg)	SAMPLE ID FB-9@15 (4A13072-30) (mg/kg)	SAMPLE ID FB-9@20 (4A13072-32) (mg/kg)	SAMPLE ID FB-10@2 (4A13072-34) (mg/kg)
GASOLINE RANGE HYDROCARBONS C6-C10	1.0	ND	ND	ND	ND	ND
Report Limit Multiplication Factor:		2	1	1	1	1

Surrogate % Recovery:	FID: 84.6%	FID: 60.1%	FID: 62.0%	FID: 61.8%	FID: 77.4%
Instrument ID:	HP-GC1	HP-GC1	HP-GC1	HP-GC1	HP-GC1

Analytes reported as ND were not detected or below the Practical Quantitation Limit
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor

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Moore Twining Associates, Inc.
2527 Fresno St.
Fresno, CA 93721
Attn: Julio Morales

Client Project ID: 4A13072
Lab Reference Number: 1401069
Sample Description: Soil
Sample Prep/Analysis Method: EPA 5030/8015B
Lab Numbers: 1401068-21, 22, 23, 24, 25

Sampled: 01-12-14
Received: 01-17-14
Extracted: 01-22-14
Analyzed: 01-22-14
Reported: 02-05-14

TOTAL PETROLEUM HYDROCARBONS - GASOLINE

ANALYTE	REPORTING LIMIT (mg/kg)	SAMPLE ID FB-10@10 (4A13072-36) (mg/kg)	SAMPLE ID FB-10@18 (4A13072-38) (mg/kg)	SAMPLE ID FB-10@20 (4A13072-39) (mg/kg)	SAMPLE ID FB-12@2 (4A13072-41) (mg/kg)	SAMPLE ID FB-12@10 (4A13072-43) (mg/kg)
GASOLINE RANGE HYDROCARBONS C6-C10	1.0	ND	810	60	ND	ND
Report Limit Multiplication Factor:		1	100	10	1	1
			non-gasoline pattern heavier hydrocarbons	non-gasoline pattern heavier hydrocarbons		

Surrogate % Recovery:		FID: 69.1%	NA	NA	FID: 71.0%	FID: 66.7%
Instrument ID:		HP-GC1	HP-GC1	HP-GC1	HP-GC1	HP-GC1

Analytes reported as ND were not detected or below the Practical Quantitation Limit
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13072 Lab Reference Number: 1401069 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8015B Lab Numbers: 1401068-26	Sampled: 01-12-14 Received: 01-17-14 Extracted: 01-22-14 Analyzed: 01-22-14 Reported: 02-05-14

TOTAL PETROLEUM HYDROCARBONS - GASOLINE

ANALYTE	REPORTING LIMIT (mg/kg)	SAMPLE ID FB-12@18 (4A13072-45) (mg/kg)
GASOLINE RANGE HYDROCARBONS C6-C10	1.0	ND
Report Limit Multiplication Factor:		1

Surrogate % Recovery:	FID: 72.0%
Instrument ID:	HP-GC1

Analytes reported as ND were not detected or below the Practical Quantitation Limit
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13072 Lab Reference Number: 1401069 (01-20) Sample Description: Soil Analyst: Clari Cone	Method: EPA 5030/8015M,8020 Instrument ID: HP-GC1 Extracted: 01-23-14 Analyzed: 01-23-14 Reported: 02-05-14

QUALITY CONTROL DATA REPORT

ANALYTE	Gasoline

Spike Concentration:	3.87
Units:	mg/kg
LCS Batch #:	VS-1234B
LCS % Recovery:	115%
Surrogate Recovery:	101%
Control Limits:	70-130 %

MS/MSD Batch #:	VS-1234B
MS % Recovery:	93.1%
Surrogate Recovery:	73.7%
MSD % Recovery:	63.7%
Surrogate Recovery:	74.0%
Relative % Difference:	37.5%
Methanol Blank :	ND
Surrogate Recovery:	96.4%

Please Note:
The LCS (Laboratory Check Sample) is a control sample of known, interferent free matrix that is fortified with representative analytes and analyzed using the same reagents, preparation and analytical methods employed for the samples. The LCS % recovery is used for validation of sample batch results. Due to matrix effects, the QC limits and recoveries for MS/MSD's are advisory only and are not used to accept or reject batch results.

APPROVED BY: Clari Cone

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13072 Lab Reference Number: 1401069 (21-26) Sample Description: Soil Analyst: Clari Cone	Method: EPA 5030/8015M,8020 Instrument ID: HP-GC1 Extracted: 01-22-14 Analyzed: 01-22-14 Reported: 02-05-14

QUALITY CONTROL DATA REPORT

ANALYTE	Gasoline

Spike Concentration:	3.87
Units:	mg/kg
LCS Batch #:	VS-1224
LCS % Recovery:	110%
Surrogate Recovery:	100%
Control Limits:	70-130 %

MS/MSD Batch #:	VS-1224
MS % Recovery:	77.2%
Surrogate Recovery:	77.2%
MSD % Recovery:	81.7%
Surrogate Recovery:	77.1%
Relative % Difference:	5.53%
Methanol Blank :	ND
Surrogate Recovery:	105%

Please Note:
The LCS (Laboratory Check Sample) is a control sample of known, interferent free matrix that is fortified with representative analytes and analyzed using the same reagents, preparation and analytical methods employed for the samples. The LCS % recovery is used for validation of sample batch results. Due to matrix effects, the QC limits and recoveries for MS/MSD's are advisory only and are not used to accept or reject batch results.

APPROVED BY: Clari J. Cone

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate No. 2480

2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
Fax: (209) 384-1507

Moore Twining Associates 2527 Fresno St. Fresno, CA. 93721 Attn: Julio Morales	Client Project ID: 4A13072 Lab Reference Number: 1401069 Sample Description: Soil Sample Prep/Analysis Method: EPA 3550/EPA 8015B Lab Numbers: 1401069-17, 18, 19, 20, 21	Sampled: 01-12-14 Received: 01-17-14 Extracted: 01-23-14 Analyzed: 01-23-14 Reported: 02-05-14

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

ANALYTE	REPORTING LIMIT (mg/kg)	SAMPLE ID FB-9@10 (4A13072-29) (mg/kg)	SAMPLE ID FB-9@15 (4A13072-30) (mg/kg)	SAMPLE ID FB-9@20 (4A13072-32) (mg/kg)	SAMPLE ID FB-10@2 (4A13072-34) (mg/kg)	SAMPLE ID FB-10@10 (4A13072-36) (mg/kg)
STODDARD SOLVENT HYDROCARBONS C8->C14	2.0	ND	ND	ND	2.6	ND
DIESEL RANGE HYDROCARBONS C10->C22	2.0	ND	ND	ND	1.9*	ND
MOTOR OIL RANGE HYDROCARBONS C22->C40	5.0	ND	ND	ND	15	ND
Report Limit Multiplication Factor:		1	1	1	1	1
					non-stoddard pattern	

**non-diesel pattern; over-lap of heavier hydrocarbons into diesel range.*

o-Terphenyl Surrogate % Recovery:	83.7%	83.3%	95.5%	89.9%	96.5%
Instrument ID:	HP-GC1	HP-GC1	HP-GC1	HP-GC1	HP-GC1

Analytes reported as ND were not detected or below the Practical Quantitation Limit
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate No. 2480

2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
Fax: (209) 384-1507

Moore Twining Associates 2527 Fresno St. Fresno, CA. 93721 Attn: Julio Morales	Client Project ID: 4A13072 Lab Reference Number: 1401069 Sample Description: Soil Sample Prep/Analysis Method: EPA 3550/EPA 8015B Lab Numbers: 1401069-22, 23	Sampled: 01-12-14 Received: 01-17-14 Extracted: 01-23-14 Analyzed: 01-23-14 Reported: 02-05-14

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

ANALYTE	REPORTING LIMIT (mg/kg)	SAMPLE ID FB-10@18 (4A13072-38) (mg/kg)	SAMPLE ID FB-10@20 (4A13072-39) (mg/kg)
STODDARD SOLVENT HYDROCARBONS C8->C14	2.0	4500 3500 (SGT)	110
DIESEL RANGE HYDROCARBONS C10->C22	2.0	3000* 2400 (SGT)	79*
MOTOR OIL RANGE HYDROCARBONS C22->C40	5.0	ND	ND
Report Limit Multiplication Factor:		50	2

**Non-diesel pattern; overlap of Stoddard Solvent into Diesel Range.*
SGT = Silica Gel column clean-up.

o-Terphenyl Surrogate % Recovery:	NA	103%
Instrument ID:	HP-GC1	HP-GC1

Analytes reported as ND were not detected or below the Practical Quantitation Limit
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate No. 2480

2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
Fax: (209) 384-1507

Moore Twining Associates 2527 Fresno St. Fresno, CA. 93721 Attn: Julio Morales	Client Project ID: 4A13072 Lab Reference Number: 1401069 Sample Description: Soil	Method: TPH-Diesel Instrument ID: HP-GC1 Extracted: 01-23-14 Analyzed: 01-23-14 Reported: 02-05-14

QUALITY CONTROL DATA REPORT

ANALYTE	TPH-Diesel
Spike Concentration:	3.9
Units:	mg/kg
Batch #:	TPHDS-1234
Method Blank:	ND
LCS % Recovery:	115%
Control Limits:	60-130 %
MS/MSD Batch #:	TPHDS-1234
MS % Recovery:	90.6%
MSD % Recovery:	75.1%
Relative % Difference:	14.7%

Please Note:
The LCS (Laboratory Check Sample) is a control sample of known, interferent free matrix that is fortified with representative analytes and analyzed using the same reagents, preparation and analytical methods employed for the samples. The LCS % recovery is used for validation of sample batch results. Due to matrix effects, the QC limits and recoveries for MS/MSD's are advisory only and are not used to accept or reject batch results.

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

MOORE TWINING ASSOCIATES INC.

SUBCONTRACT ORDER - Purchase Order # 19607

California ELAP Certification # 1371

MTA Project # 4A13072

Please reference these numbers on all reports and invoices:
We also request QC data be provided with final report.

SENDING LABORATORY:

Moore Twining Associates, Inc.
2527 Fresno Street
Fresno, CA 93721
Phone: (559) 268-7021
Fax: (559) 268-0740
Project Manager: Julio Morales

RECEIVING LABORATORY:

Castle Analytical Laboratory
2333 Shuttle Drive
Atwater, CA 95301
Phone :(209) 384-2930
Fax: (209) 384-1507

Please Include TPH G.

14010169

Sample Comments

-01 **Client Sample ID#: FB-1@10**

MTA Sample ID: 4A13072-03 Matrix: Soil **Sampled: 01/11/14 09:40** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/25/14 09:40 Please include TPH-G
Containers Supplied:

-02 **Client Sample ID#: FB-1@18**

MTA Sample ID: 4A13072-04 Matrix: Soil **Sampled: 01/11/14 09:55** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/25/14 09:55 Please include TPH-G
Containers Supplied:

03 **Client Sample ID#: FB-1@20**

MTA Sample ID: 4A13072-05 Matrix: Soil **Sampled: 01/11/14 10:15** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/25/14 10:15 Please include TPH-G
Containers Supplied:

04 **Client Sample ID#: FB-3@10**

MTA Sample ID: 4A13072-10 Matrix: Soil **Sampled: 01/11/14 11:35** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/25/14 11:35 Please include TPH-G
Containers Supplied:

Released By	Date	Received By	Date
JB	1/16/14	Elaine Phillips	1/17/14 10:00

Please fax copy of receipt with your assigned sample ID number to (559) 268-0740

MOORE TWINING ASSOCIATES, INC.

SUBCONTRACT ORDER - Purchase Order # 19607

California ELAP Certification # 1371

MTA Project # 4A13072

Please reference these numbers on all reports and invoices:
We also request QC data be provided with final report.

1401069

Sample Comments

-05 **Client Sample ID#: FB-3@15**

MTA Sample ID: 4A13072-11 Matrix: Soil **Sampled: 01/11/14 11:45** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/25/14 11:45 Please include TPH-G

Containers Supplied:

-06 **Client Sample ID#: FB-3@18**

MTA Sample ID: 4A13072-12 Matrix: Soil **Sampled: 01/11/14 11:50** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/25/14 11:50 Please include TPH-G

Containers Supplied:

-07 **Client Sample ID#: FB-3@20**

MTA Sample ID: 4A13072-13 Matrix: Soil **Sampled: 01/11/14 12:00** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/25/14 12:00 Please include TPH-G

Containers Supplied:

08 **Client Sample ID#: FB-5@2**

MTA Sample ID: 4A13072-15 Matrix: Soil **Sampled: 01/11/14 12:55** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/25/14 12:55 Please include TPH-G

Containers Supplied:

09 **Client Sample ID#: FB-5@10**

MTA Sample ID: 4A13072-17 Matrix: Soil **Sampled: 01/11/14 13:15** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/25/14 13:15 Please include TPH-G

Containers Supplied:

Released By	Date	Received By	Date
LB	1/16/14	Elaine Phillips	1/17/14 10:00

Please fax copy of receipt with your assigned sample ID number to (559) 268-0740

MOORE TWINING ASSOCIATES, INC.

SUBCONTRACT ORDER - Purchase Order # 19607

California ELAP Certification # 1371

MTA Project # 4A13072

Please reference these numbers on all reports and invoices:
We also request QC data be provided with final report.

1401069

Sample Comments

-10 **Client Sample ID#: FB-5@15**

MTA Sample ID: 4A13072-18 Matrix: Soil **Sampled: 01/11/14 13:40** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/25/14 13:40 Please include TPH-G
Containers Supplied:

-11 **Client Sample ID#: FB-5@20**

MTA Sample ID: 4A13072-19 Matrix: Soil **Sampled: 01/11/14 13:45** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/25/14 13:45 Please include TPH-G
Containers Supplied:

-12 **Client Sample ID#: FB-8@5**

MTA Sample ID: 4A13072-22 Matrix: Soil **Sampled: 01/12/14 10:45** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/26/14 10:45 Please include TPH-G
Containers Supplied:

-13 **Client Sample ID#: FB-8@10**

MTA Sample ID: 4A13072-23 Matrix: Soil **Sampled: 01/12/14 10:50** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/26/14 10:50 Please include TPH-G
Containers Supplied:

-14 **Client Sample ID#: FB-8@15**

MTA Sample ID: 4A13072-24 Matrix: Soil **Sampled: 01/12/14 10:55** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/26/14 10:55 Please include TPH-G
Containers Supplied:

Released By	Date	Received By	Date
LB	1/16/14	[signature]	1/17/14 10:00

Please fax copy of receipt with your assigned sample ID number to (559) 268-0740

MOORE TWINING ASSOCIATES, INC.

SUBCONTRACT ORDER - Purchase Order # 19607

California ELAP Certification # 1371

MTA Project # 4A13072

Please reference these numbers on all reports and invoices:
We also request QC data be provided with final report.

1401069

Sample Comments

.15 **Client Sample ID#: FB-8@18**

MTA Sample ID: 4A13072-25 Matrix: Soil **Sampled: 01/12/14 11:00** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/26/14 11:00 Please include TPH-G
Containers Supplied:

-16 **Client Sample ID#: FB-9@5**

MTA Sample ID: 4A13072-28 Matrix: Soil **Sampled: 01/12/14 09:20** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/26/14 09:20 Please include TPH-G
Containers Supplied:

-17 **Client Sample ID#: FB-9@10**

MTA Sample ID: 4A13072-29 Matrix: Soil **Sampled: 01/12/14 09:30** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/26/14 09:30 Please include TPH-G
Containers Supplied:

Add TPH-D, MO, STODDARD SOLVENT 1-21-14 QC

-18 **Client Sample ID#: FB-9@15**

MTA Sample ID: 4A13072-30 Matrix: Soil **Sampled: 01/12/14 09:40** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/26/14 09:40 Please include TPH-G
Containers Supplied:

Add TPH-D, MO, STODDARD 1-21-14 QC

19 **Client Sample ID#: FB-9@20**

MTA Sample ID: 4A13072-32 Matrix: Soil **Sampled: 01/12/14 10:00** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/26/14 10:00 Please include TPH-G
Containers Supplied:

Add TPH-D, MO, STODDARD 1-21-14 QC

Released By	Date	Received By	Date
NB	1/16/14	Elaine Phillips	1/17/14 10:00

Please fax copy of receipt with your assigned sample ID number to (559) 268-0740

MOORE TWINING ASSOCIATES, INC.

SUBCONTRACT ORDER - Purchase Order # 19607

California ELAP Certification # 1371

MTA Project # 4A13072

Please reference these numbers on all reports and invoices:
We also request QC data be provided with final report.

14101069

Sample Comments

-20 **Client Sample ID#: FB-10@2**

MTA Sample ID: 4A13072-34 Matrix: Soil **Sampled: 01/12/14 14:30** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/26/14 14:30 Please include TPH-G

Containers Supplied:

Add TPH-D, MO, STODDARD SOLVENT 1/21/14

-21 **Client Sample ID#: FB-10@10**

MTA Sample ID: 4A13072-36 Matrix: Soil **Sampled: 01/12/14 14:40** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/26/14 14:40 Please include TPH-G

Containers Supplied:

Add TPH-D, MO, STODDARD 1-21-14 QC

-22 **Client Sample ID#: FB-10@18**

MTA Sample ID: 4A13072-38 Matrix: Soil **Sampled: 01/12/14 14:55** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/26/14 14:55 Please include TPH-G

Containers Supplied:

Add TPH-D, MO, STODDARD 1-21-14 QC

-23 **Client Sample ID#: FB-10@20**

MTA Sample ID: 4A13072-39 Matrix: Soil **Sampled: 01/12/14 15:00** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/26/14 15:00 Please include TPH-G

Containers Supplied:

Add TPH-D, MO, STODDARD 1-21-14 QC

24 **Client Sample ID#: FB-12@2**

MTA Sample ID: 4A13072-41 Matrix: Soil **Sampled: 01/12/14 12:40** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/26/14 12:40 Please include TPH-G

Containers Supplied:

Released By	Date	Received By	Date
MB	1/16/14	Elaine Phillips	1/17/14 10:00

Please fax copy of receipt with your assigned sample ID number to (559) 268-0740

MOORE TWINING ASSOCIATES, INC.

SUBCONTRACT ORDER - Purchase Order # 19607

California ELAP Certification # 1371

MTA Project # 4A13072

Please reference these numbers on all reports and invoices:
We also request QC data be provided with final report.

1401069

Sample Comments

-25 **Client Sample ID#: FB-12@10**

MTA Sample ID: 4A13072-43 Matrix: Soil **Sampled: 01/12/14 12:50** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/26/14 12:50 Please include TPH-G

Containers Supplied:

-26 **Client Sample ID#: FB-12@18**

MTA Sample ID: 4A13072-45 Matrix: Soil **Sampled: 01/12/14 13:05** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/26/14 13:05 Please include TPH-G

Containers Supplied:

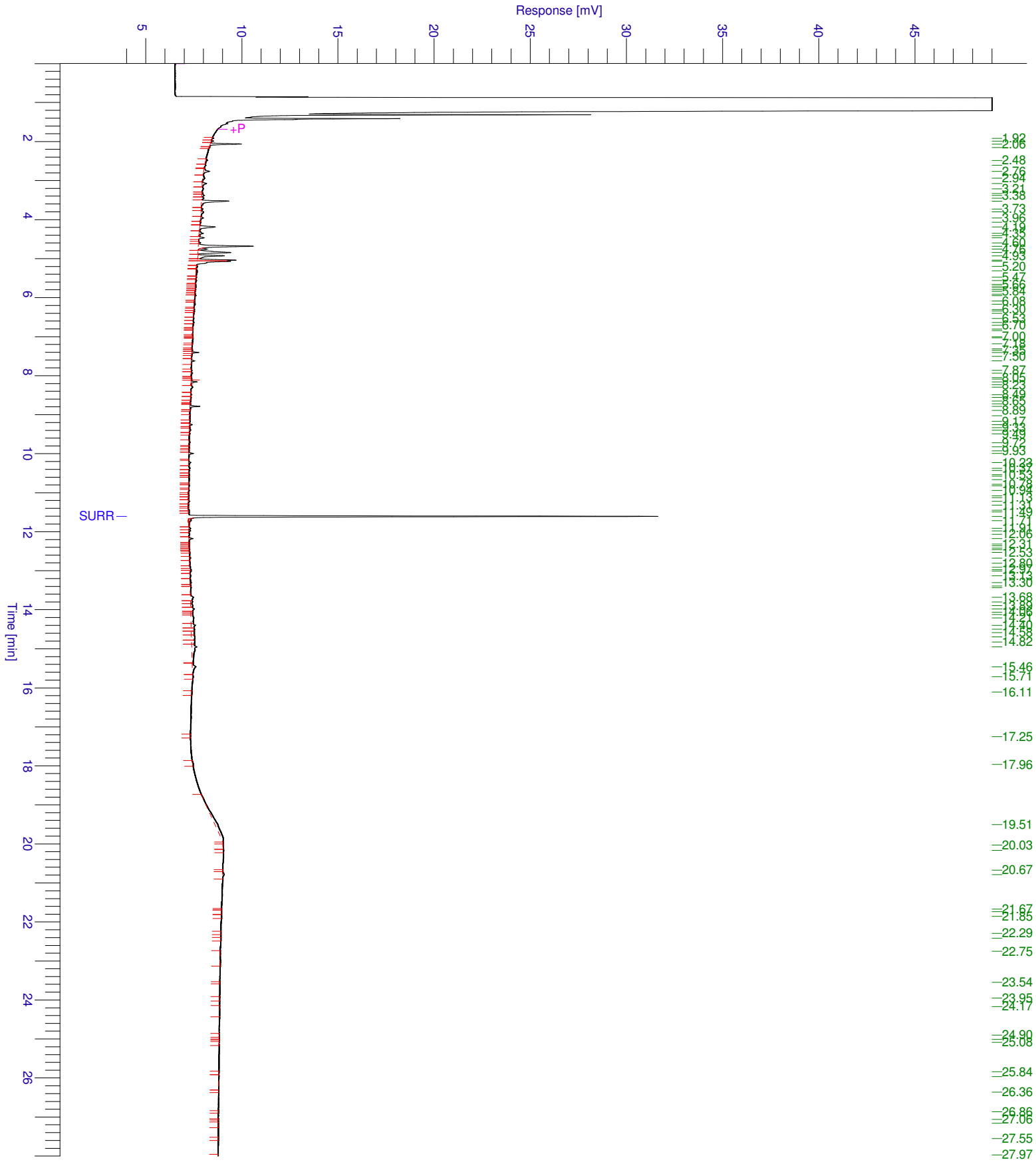
Released By	Date	Received By	Date
MB	1/16/14	Elaine Phillips	1/17/14 10:00

Please fax copy of receipt with your assigned sample ID number to (559) 268-0740

Chromatogram

Sample Name : TPHDS-C-1234 Sample #: 08 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\012314a008.raw
Date : 2/7/2014 2:10:08 PM
Method : 010714TEPH.mth Time of Injection: 1/23/2014 7:11:57 PM
Start Time : 0.00 min End Time : 28.00 min Low Point : 4.00 mV High Point : 49.00 mV
Plot Offset: 4.00 mV Plot Scale: 45.0 mV

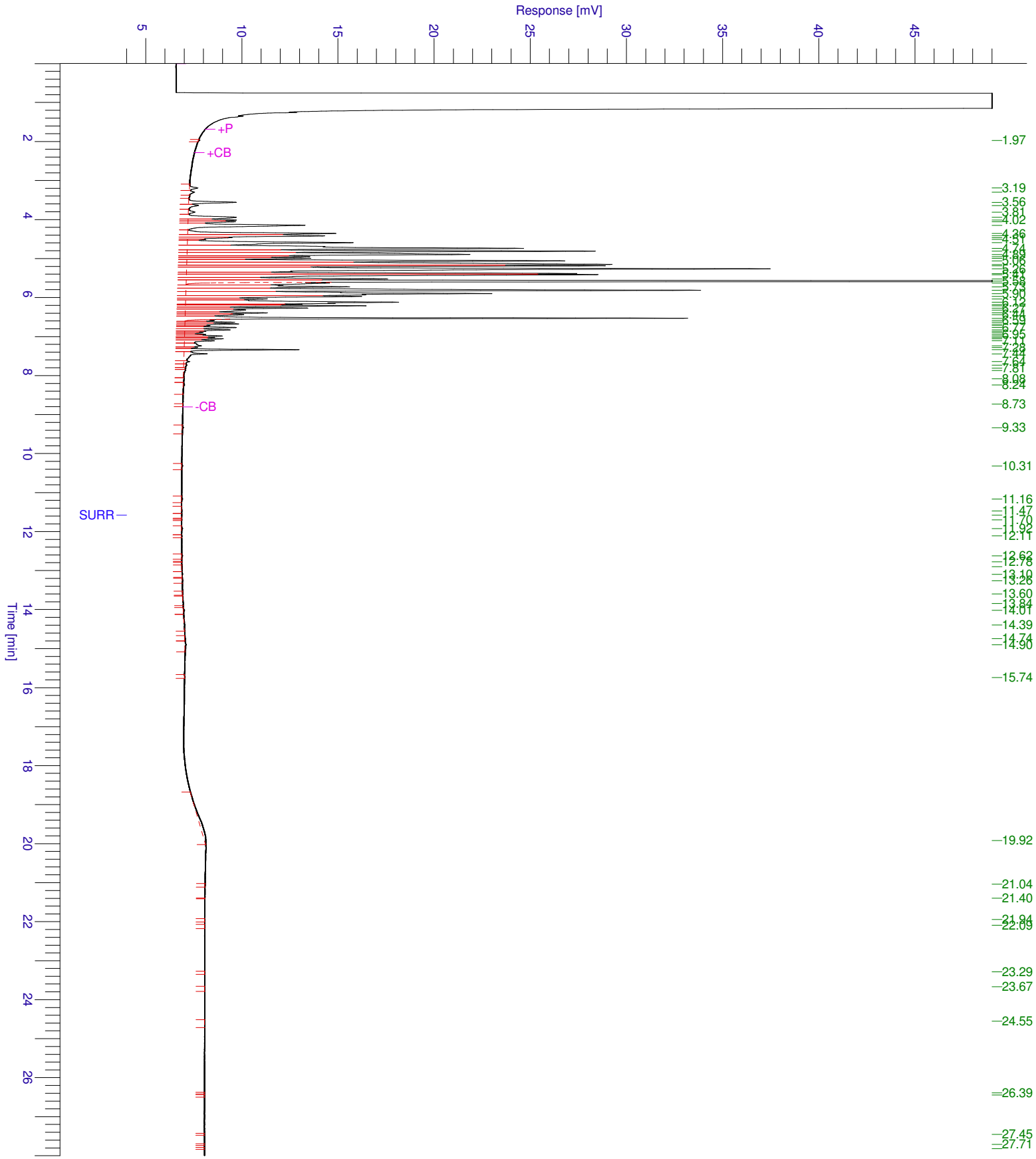
Stoddard/Diesel/Motor Oil - Soil Method Blank



Chromatogram

Sample Name : 200 ppm Stoddard Solvent Std Sample #: 58 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\012314A058.raw
Date : 2/7/2014 1:58:39 PM
Method : 010714TEPH.mth Time of Injection: 1/25/2014 11:25:35 AM
Start Time : 0.00 min End Time : 28.00 min Low Point : 4.00 mV High Point : 49.00 mV
Plot Offset: 4.00 mV Plot Scale: 45.0 mV

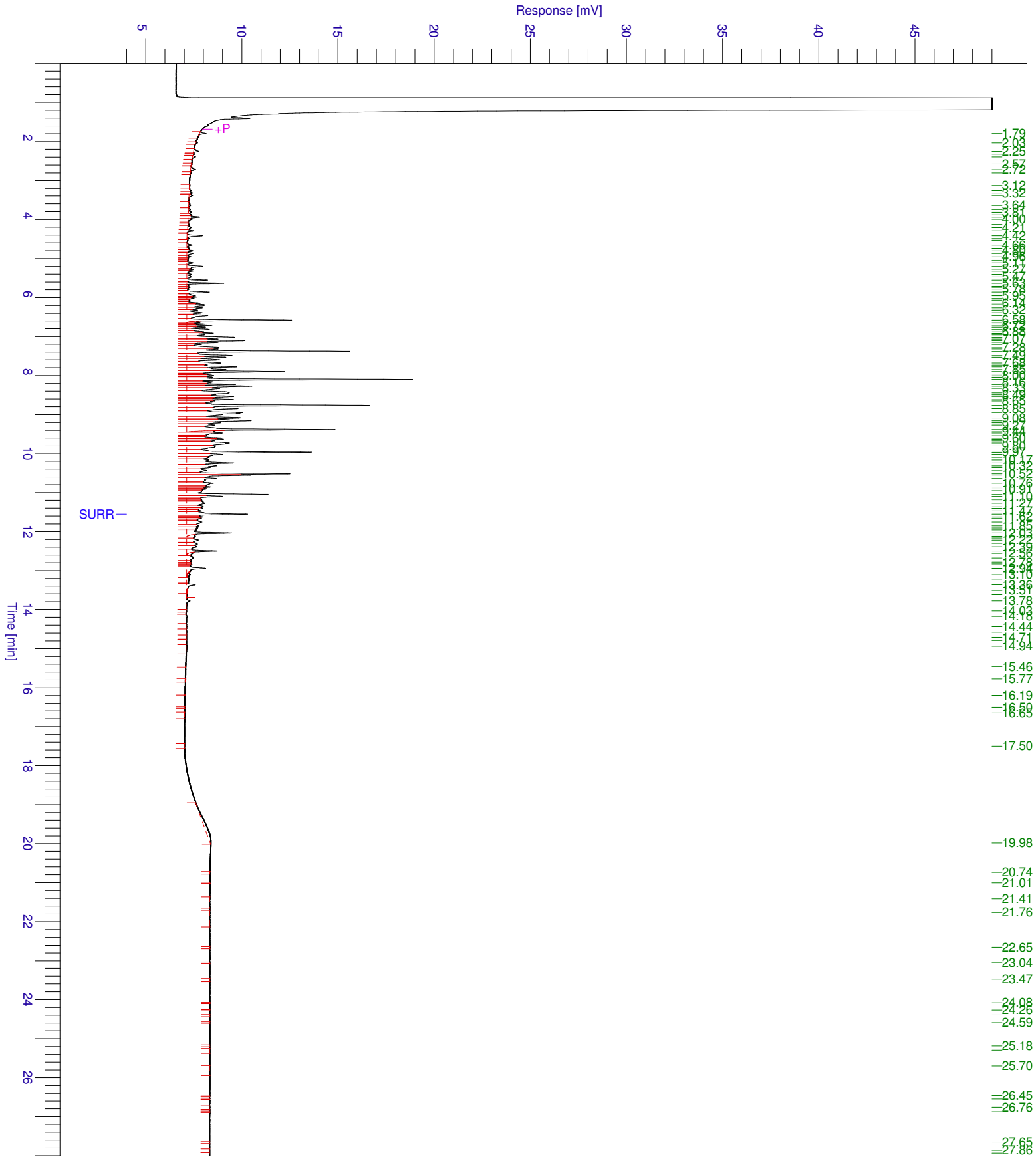
20 ppm Stoddard Solvent Std (Soil Concentration)



Chromatogram

Sample Name : 100 ppm Diesel Std Sample #: 14 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\012314A014.raw
Date : 2/7/2014 1:51:37 PM
Method : 010714TEPH.mth Time of Injection: 1/23/2014 11:54:14 PM
Start Time : 0.00 min End Time : 28.00 min Low Point : 4.00 mV High Point : 49.00 mV
Plot Offset: 4.00 mV Plot Scale: 45.0 mV

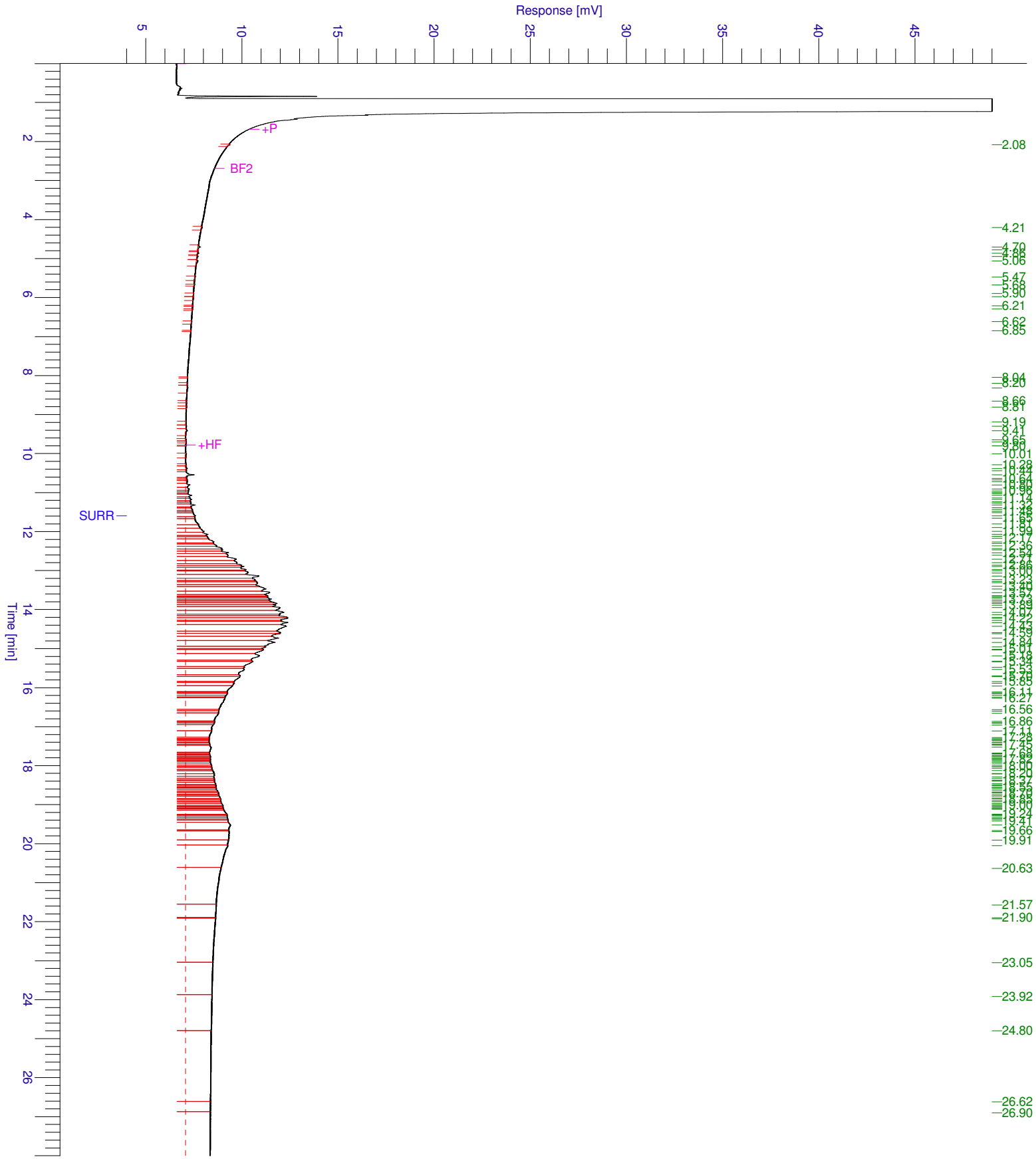
10 ppm Diesel Standard (Soil Concentration)



Chromatogram

Sample Name : 200 ppm Motor Oil Sample #: 37 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\012314A037.raw
Date : 2/7/2014 2:01:03 PM
Method : 010714TEPH.mth Time of Injection: 1/24/2014 7:19:27 PM
Start Time : 0.00 min End Time : 28.00 min Low Point : 4.00 mV High Point : 49.00 mV
Plot Offset: 4.00 mV Plot Scale: 45.0 mV

20 ppm Motor Oil Standard (Soil Concentration)



Chromatogram

Sample Name : 1401069-17S Sample #: 12 Page 1 of 1

FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\012314A012.raw

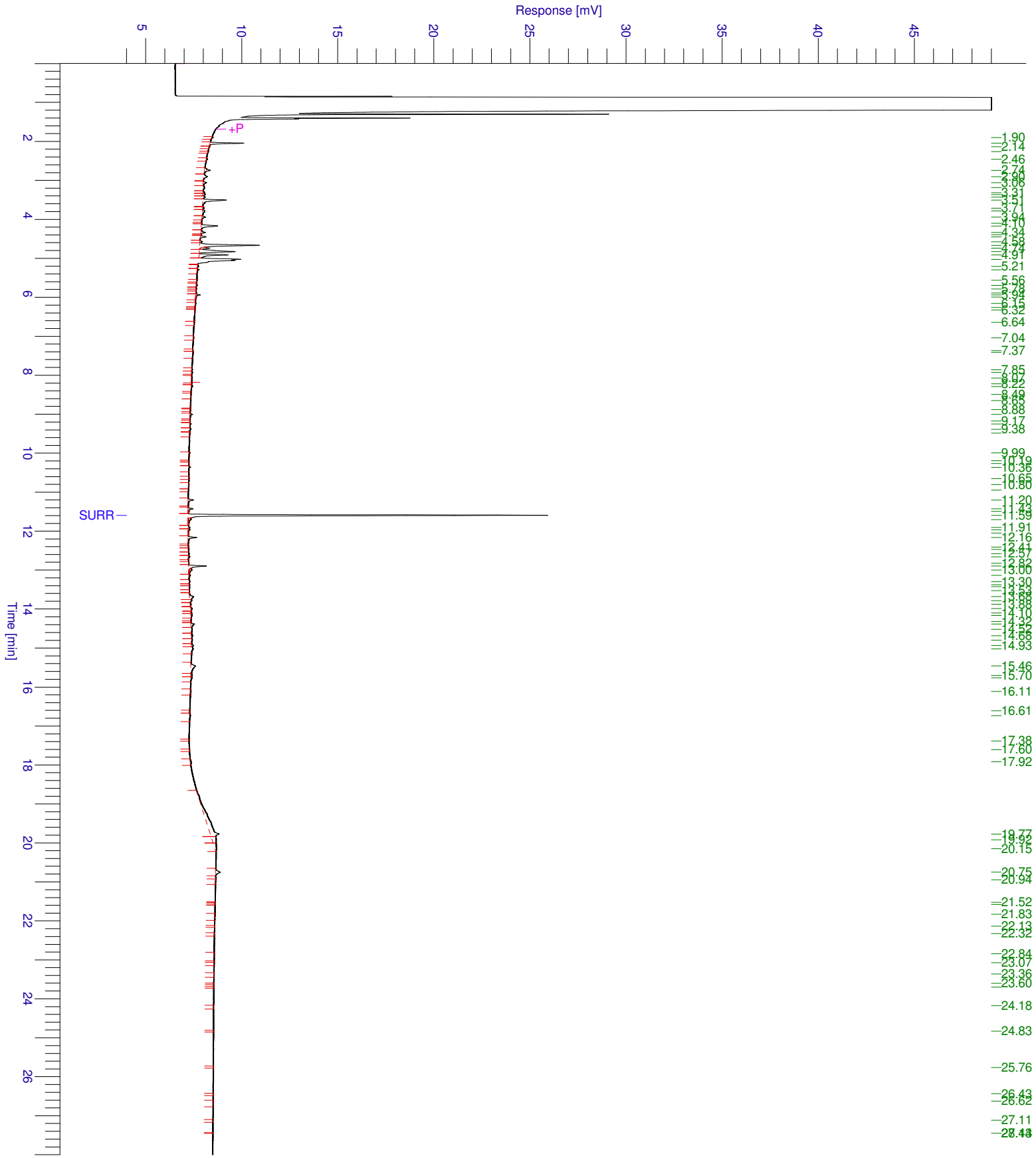
Date : 2/7/2014 1:49:14 PM

Method : 010714TEPH.mth Time of Injection: 1/23/2014 10:20:49 PM

Start Time : 0.00 min End Time : 28.00 min Low Point : 4.00 mV High Point : 49.00 mV

Plot Offset: 4.00 mV Plot Scale: 45.0 mV

FB-9 @ 10



Chromatogram

Sample Name : 1401069-18S Sample #: 13 Page 1 of 1

FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\012314A013.raw

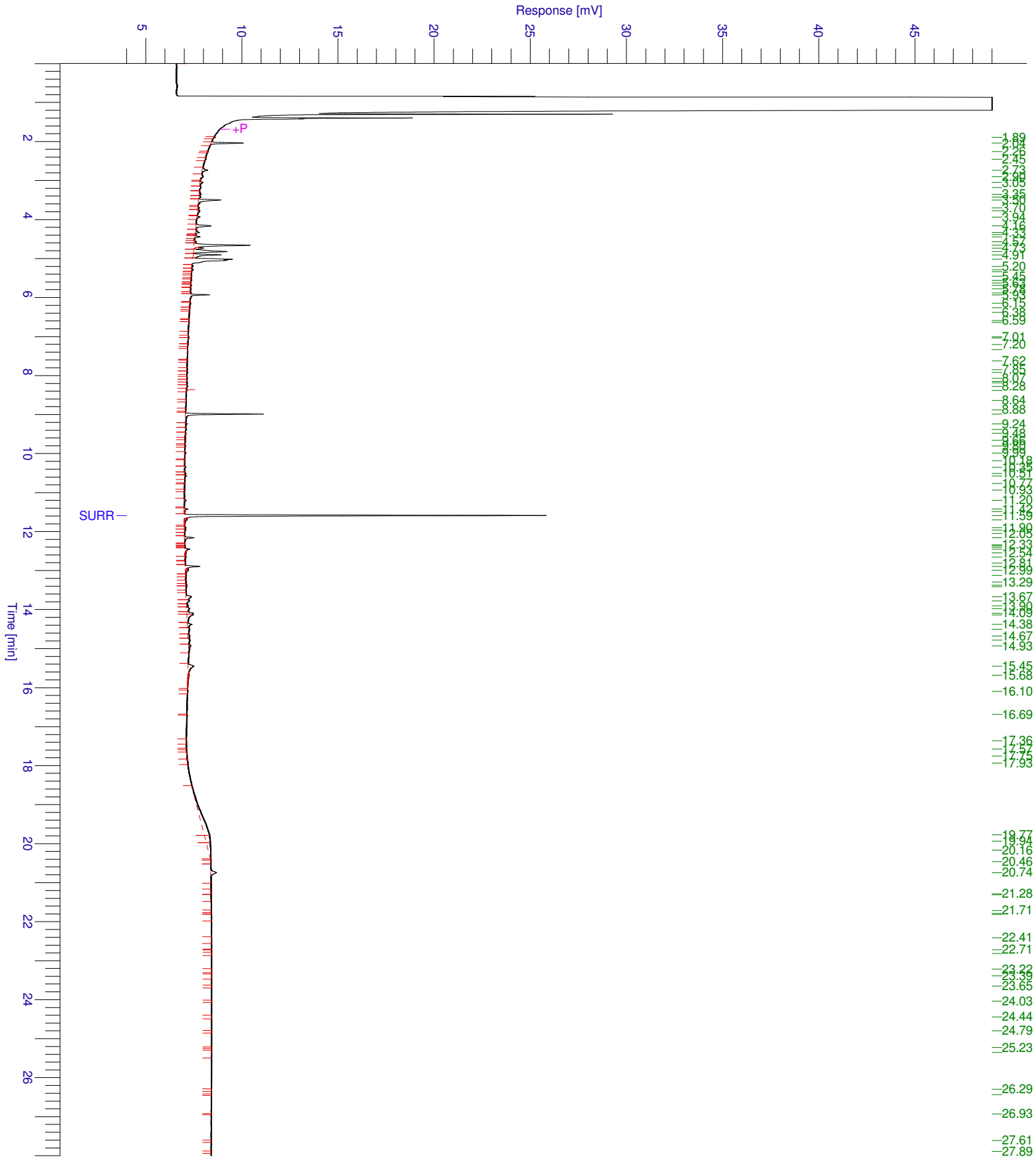
Date : 2/7/2014 1:50:53 PM

Method : 010714TEPH.mth Time of Injection: 1/23/2014 11:07:38 PM

Start Time : 0.00 min End Time : 28.00 min Low Point : 4.00 mV High Point : 49.00 mV

Plot Offset: 4.00 mV Plot Scale: 45.0 mV

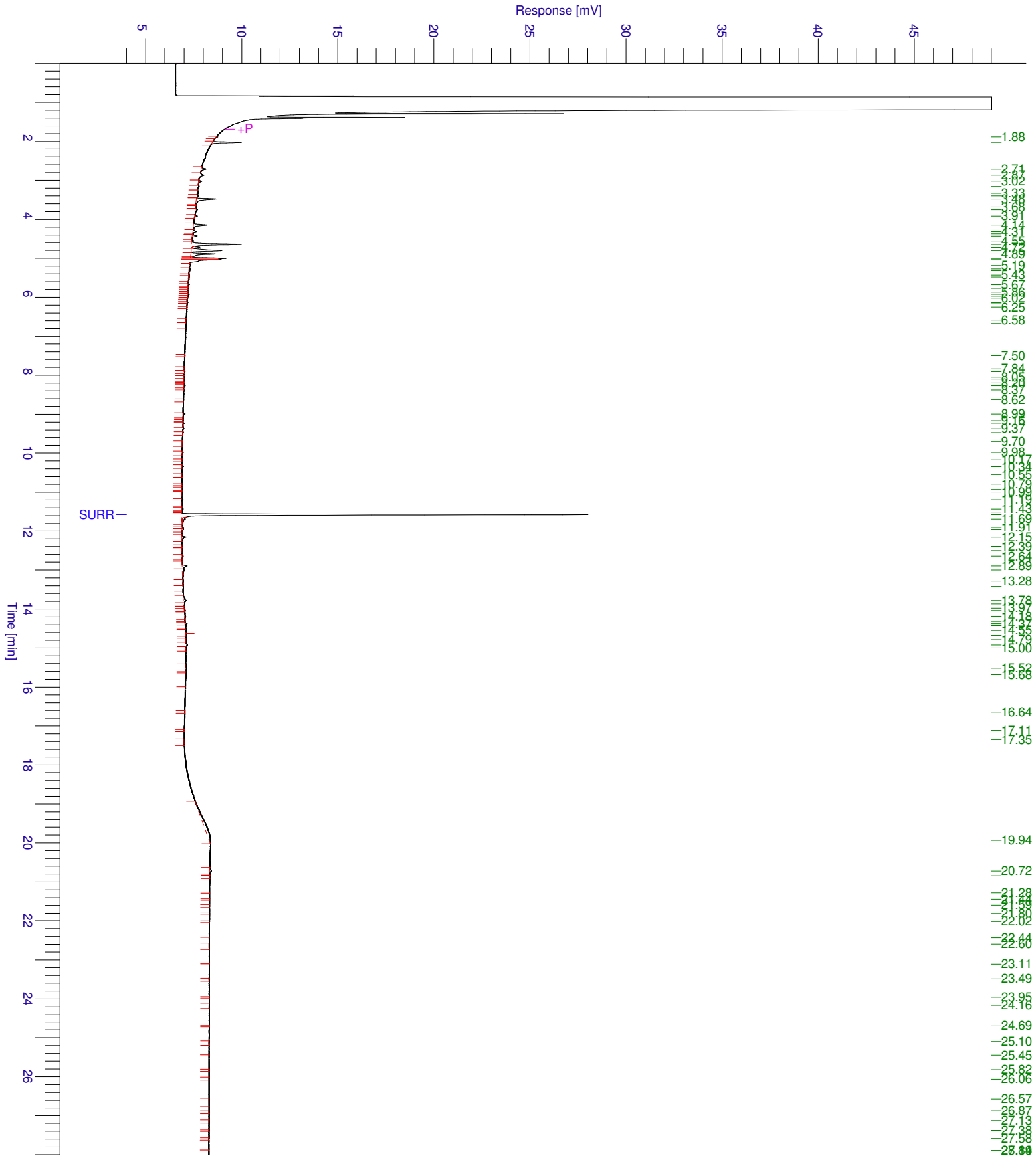
FB-9 @ 15



Chromatogram

Sample Name : 1401069-19S Sample #: 15 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\012314A015.raw
Date : 2/7/2014 1:52:11 PM
Method : 010714TEPH.mth Time of Injection: 1/24/2014 12:40:48 AM
Start Time : 0.00 min End Time : 28.00 min Low Point : 4.00 mV High Point : 49.00 mV
Plot Offset: 4.00 mV Plot Scale: 45.0 mV

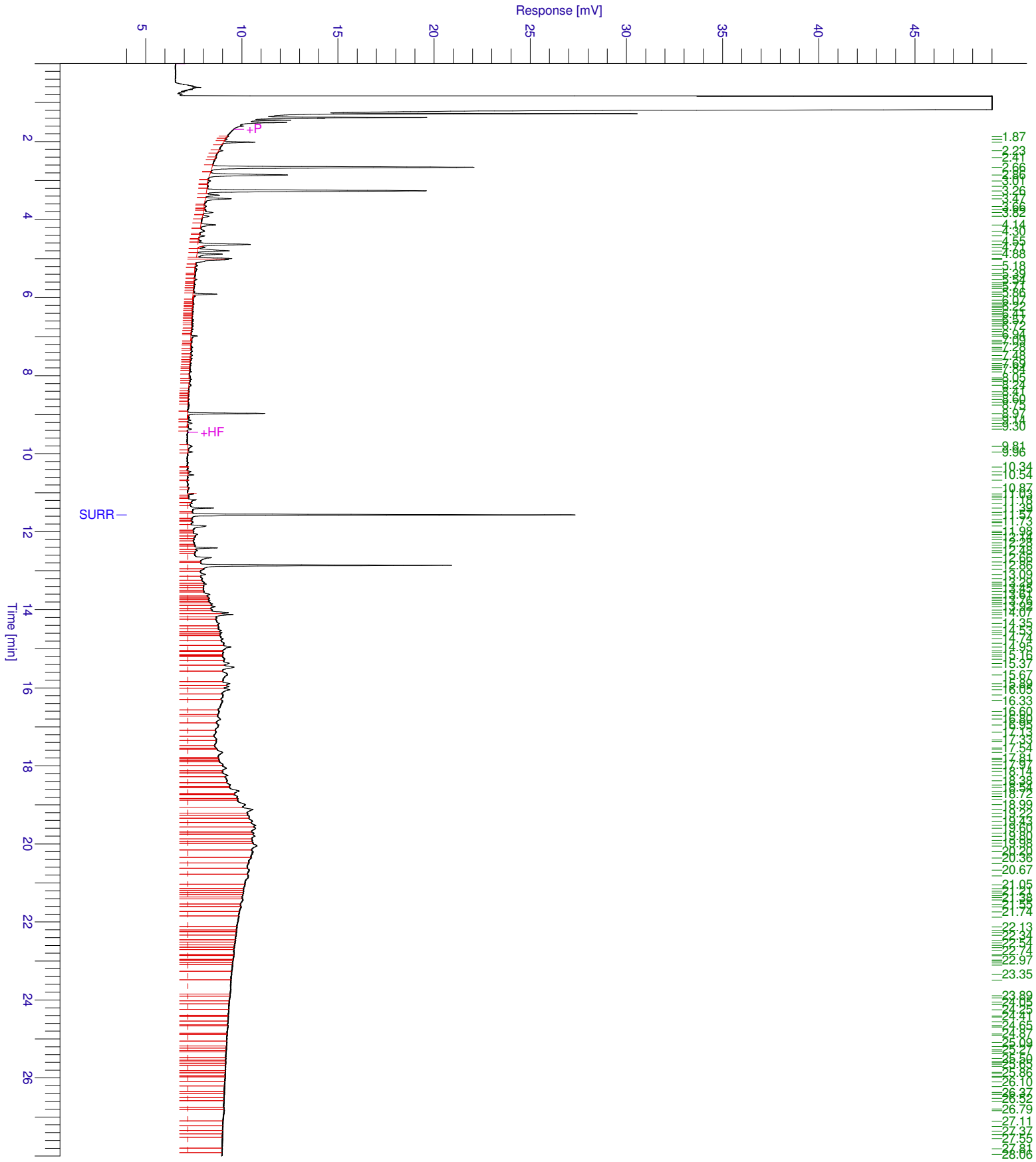
FB-9 @ @ 20



Chromatogram

Sample Name : 1401069-20S Sample #: 16 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\012314A016.raw
Date : 2/7/2014 1:53:19 PM
Method : 010714TEPH.mth Time of Injection: 1/24/2014 1:27:15 AM
Start Time : 0.00 min End Time : 28.00 min Low Point : 4.00 mV High Point : 49.00 mV
Plot Offset: 4.00 mV Plot Scale: 45.0 mV

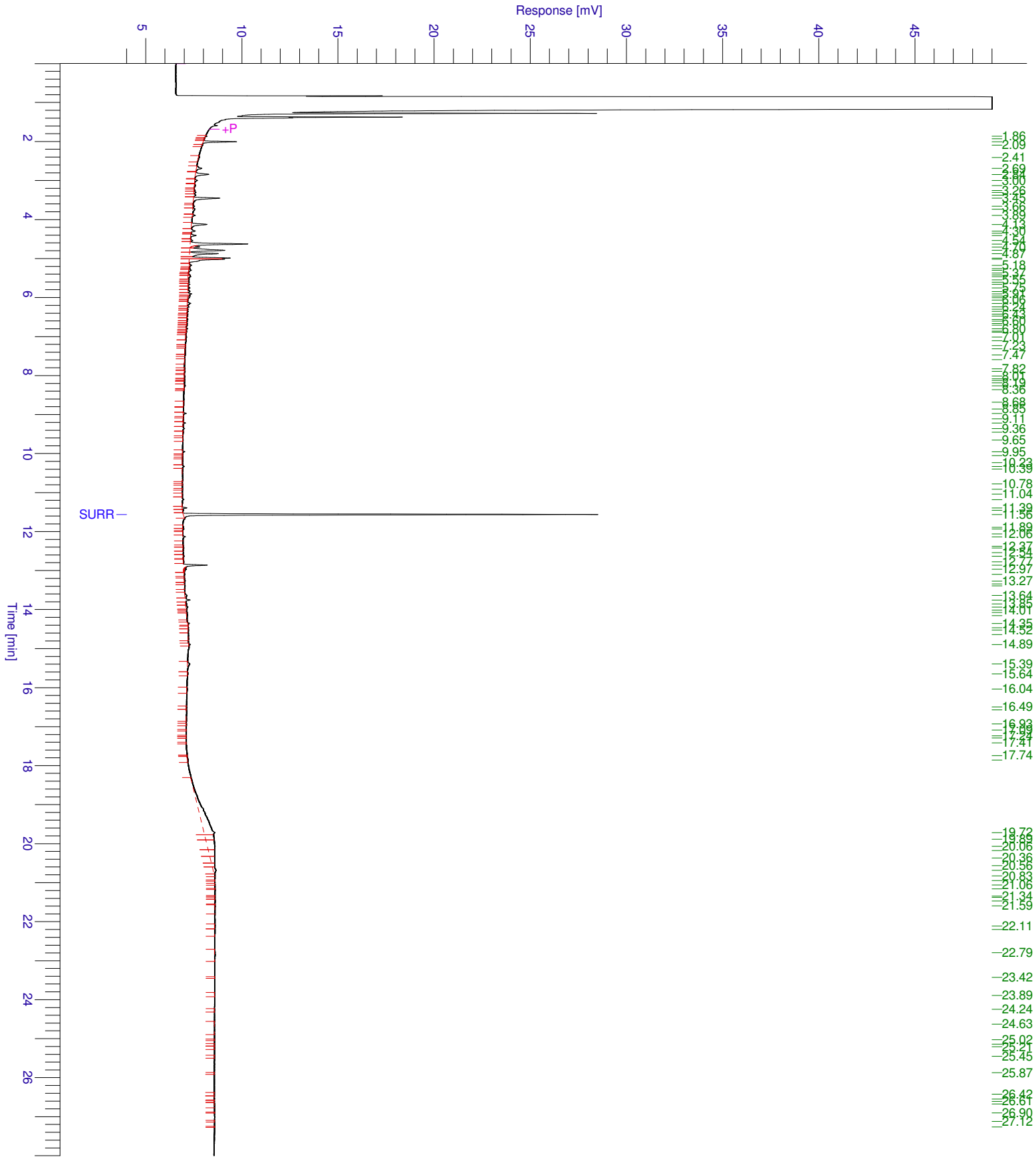
FB-10 @ 2



Chromatogram

Sample Name : 1401069-21S Sample #: 17 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\012314A017.raw
Date : 2/7/2014 1:54:48 PM
Method : 010714TEPH.mth Time of Injection: 1/24/2014 2:13:28 AM
Start Time : 0.00 min End Time : 28.00 min Low Point : 4.00 mV High Point : 49.00 mV
Plot Offset: 4.00 mV Plot Scale: 45.0 mV

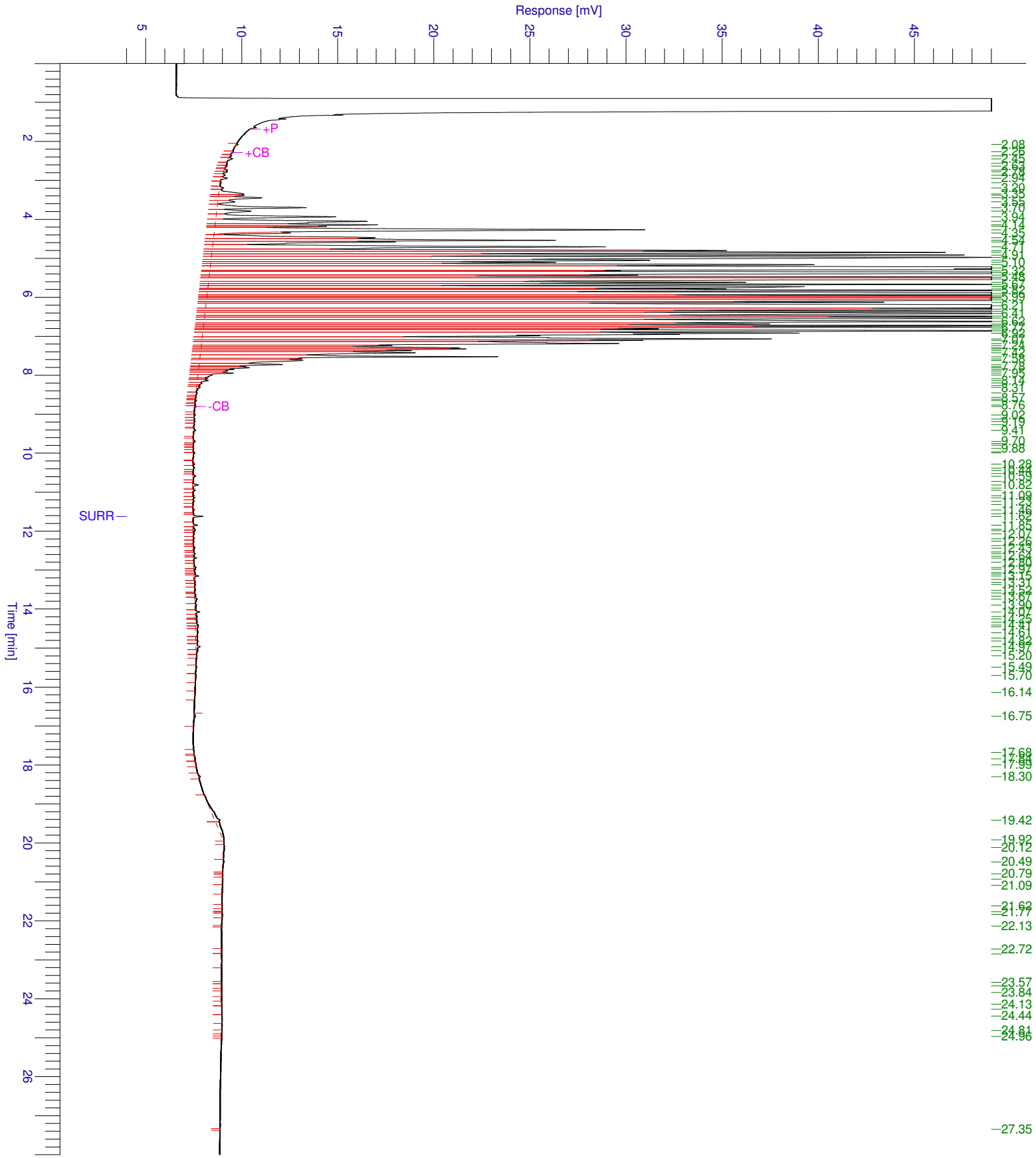
FB-10 @ 10



Chromatogram

Sample Name : 1401069-22S DF 50 Sample #: 34
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\012314A034.raw
Date : 2/7/2014 1:56:09 PM
Method : 010714TEPH.mth Time of Injection: 1/24/2014 3:24:15 PM
Start Time : 0.00 min End Time : 28.00 min Low Point : 4.00 mV High Point : 49.00 mV
Plot Offset: 4.00 mV Plot Scale: 45.0 mV

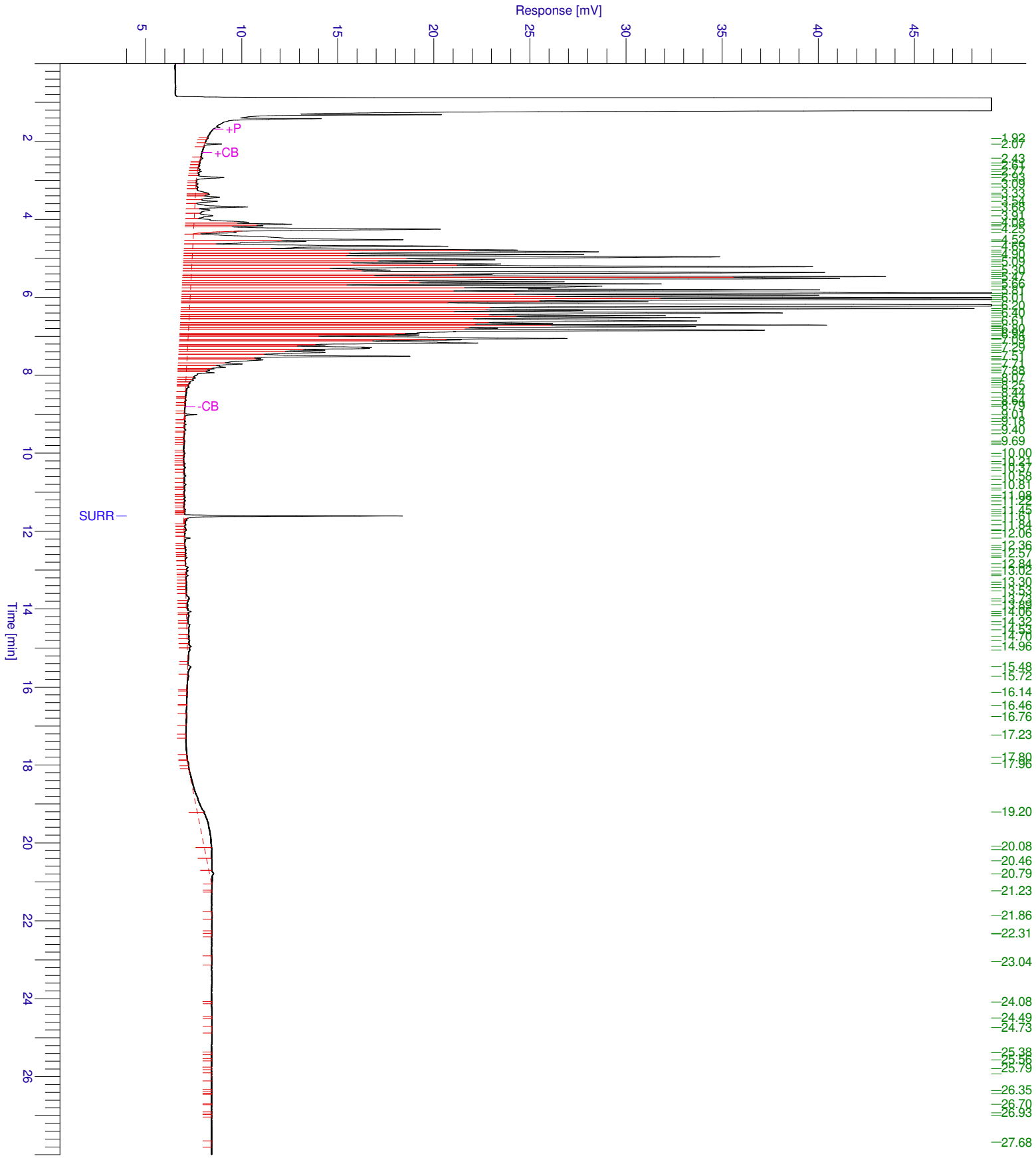
FB-10 @ 18 DF 50



Chromatogram

Sample Name : 1401069-23S DF 2 Sample #: 35 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\012314A035.raw
Date : 2/7/2014 1:56:45 PM
Method : 010714TEPH.mth Time of Injection: 1/24/2014 5:44:23 PM
Start Time : 0.00 min End Time : 28.00 min Low Point : 4.00 mV High Point : 49.00 mV
Plot Offset: 4.00 mV Plot Scale: 45.0 mV

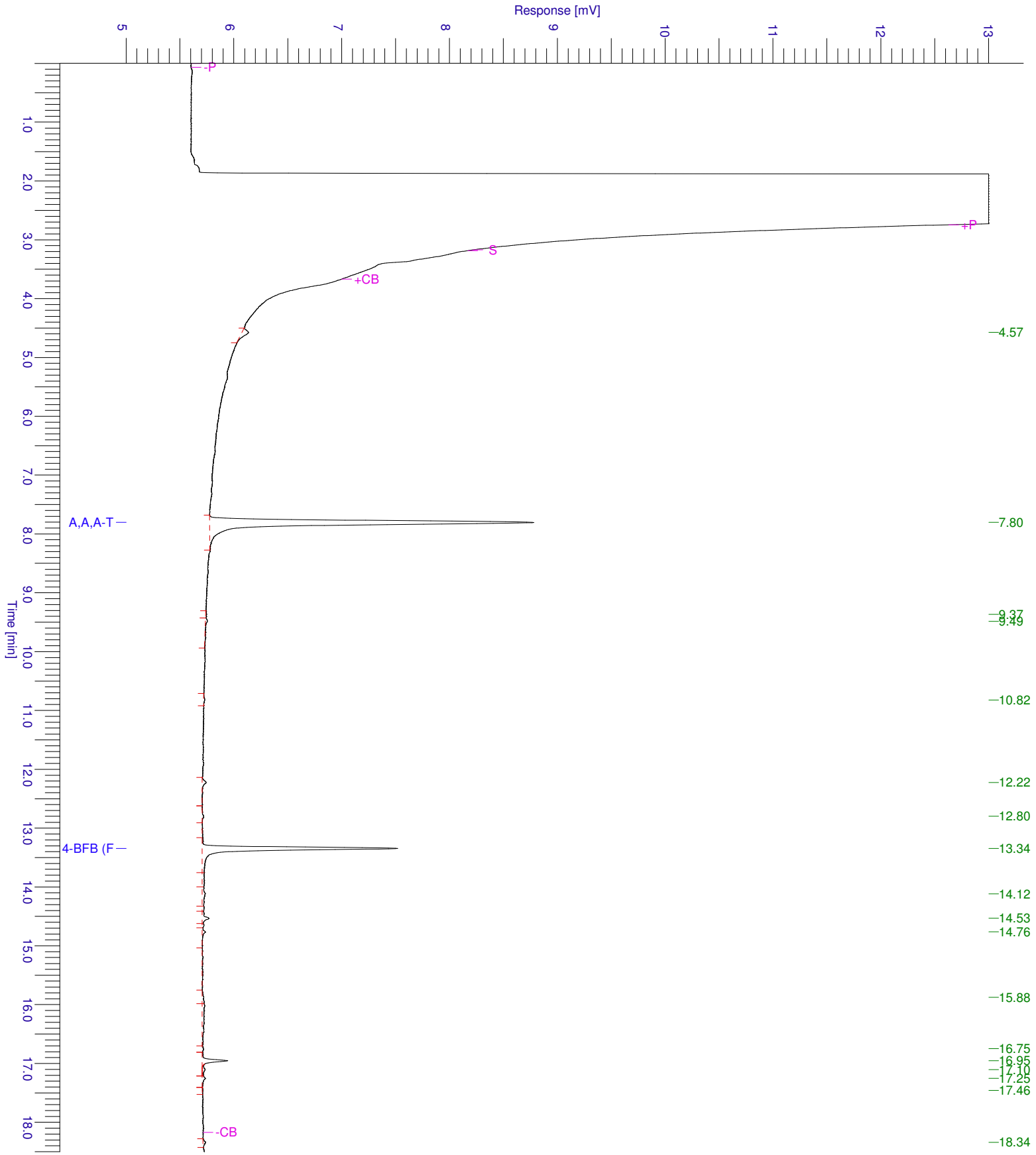
FB-10 @ 20 DF 2



Chromatogram

Sample Name : VS-MB-1224 Sample #: 011
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\012214B012.raw
Date : 2/7/2014 3:23:29 PM
Method : 012214varcalgas.mth Time of Injection: 1/22/2014 10:15:13 PM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

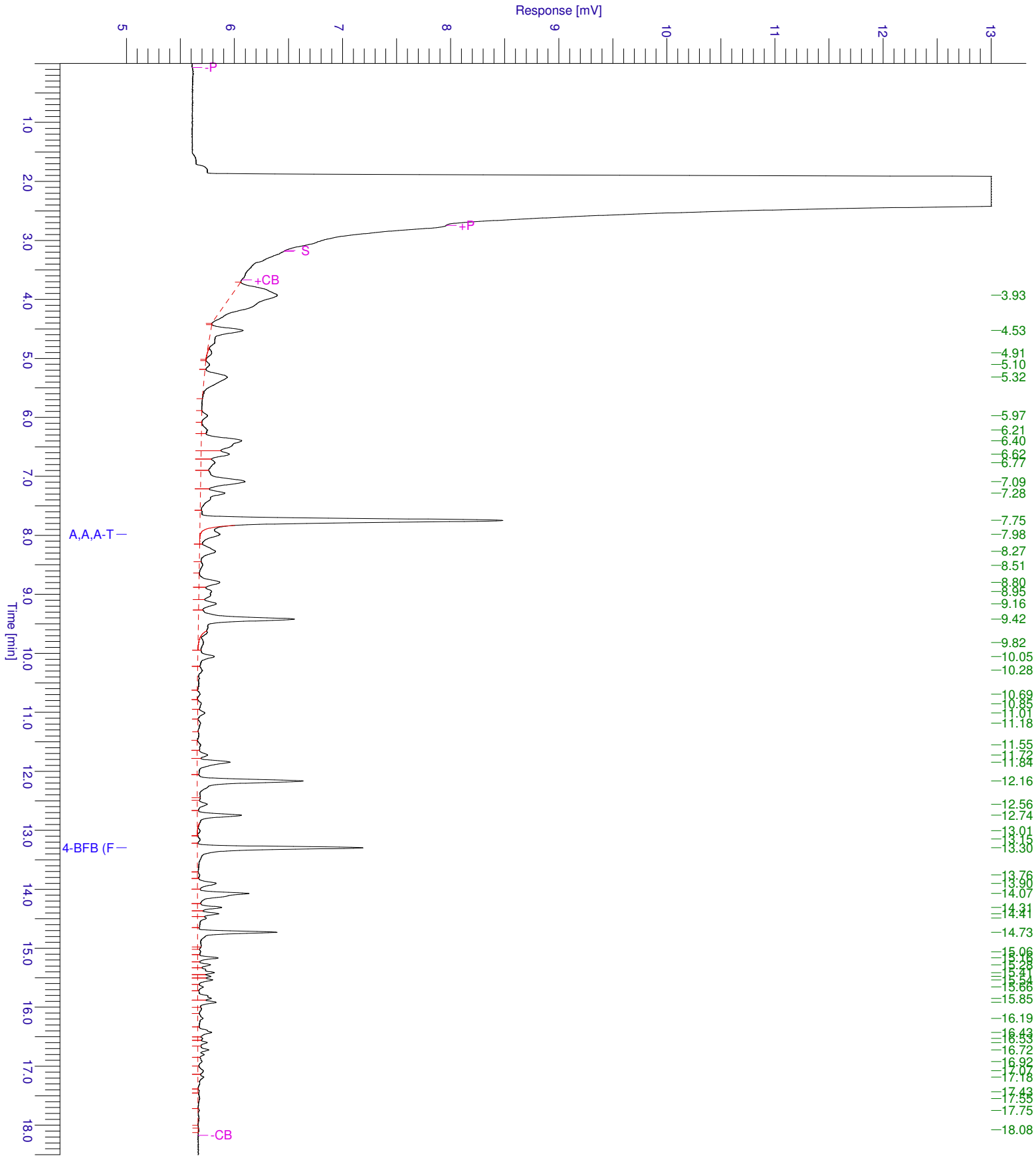
TPH-Gas Soil - Method Blank



Chromatogram

Sample Name : 100 PPB GAS STD Sample #: 025 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\012214B026.raw
Date : 2/7/2014 3:22:55 PM
Method : 012214varcalgas.mth Time of Injection: 1/23/2014 4:49:37 AM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

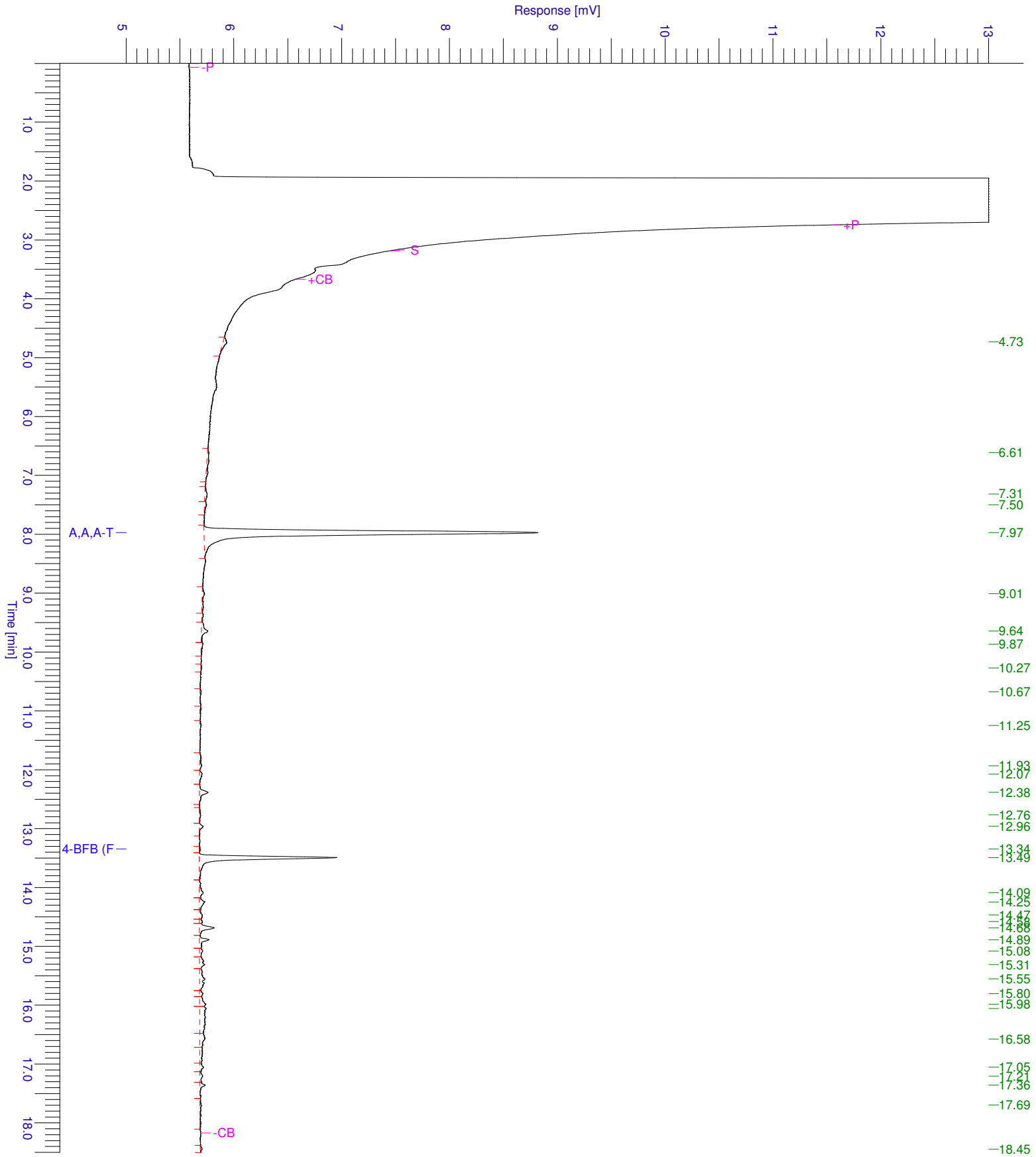
2 ppm Gasoline Std (Soil Concentration)



Chromatogram

Sample Name : 1401069-01S Sample #: 007 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\012314B006.raw
Date : 2/7/2014 3:24:49 PM
Method : 012214varcalgas.mth Time of Injection: 1/23/2014 9:45:15 PM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

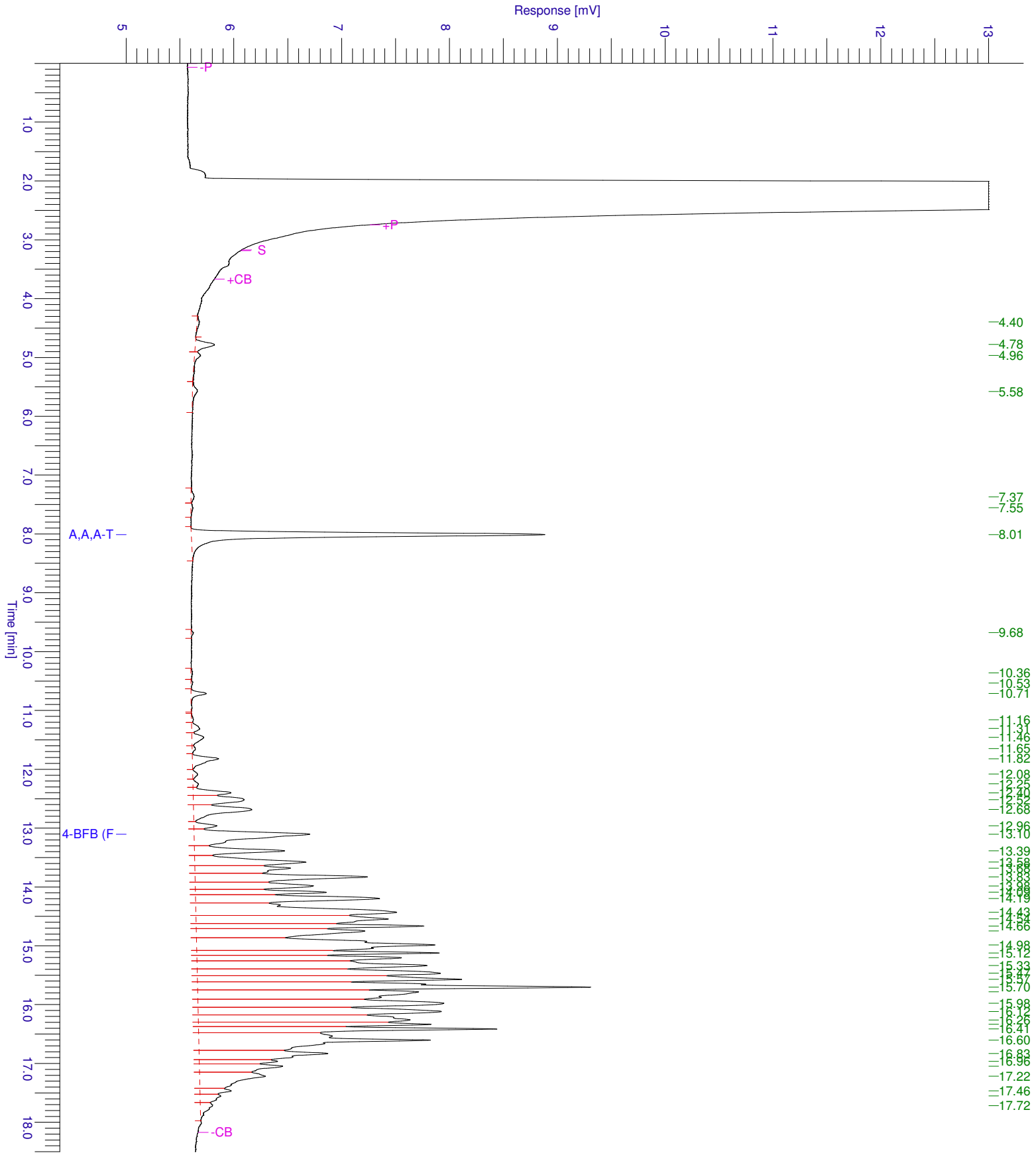
FB-1 @ 10



Chromatogram

Sample Name : 1401069-2S DF 10 Sample #: 005 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\012414B004.raw
Date : 2/7/2014 3:57:39 PM
Method : 012214varcalgas.mth Time of Injection: 1/24/2014 7:50:58 PM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

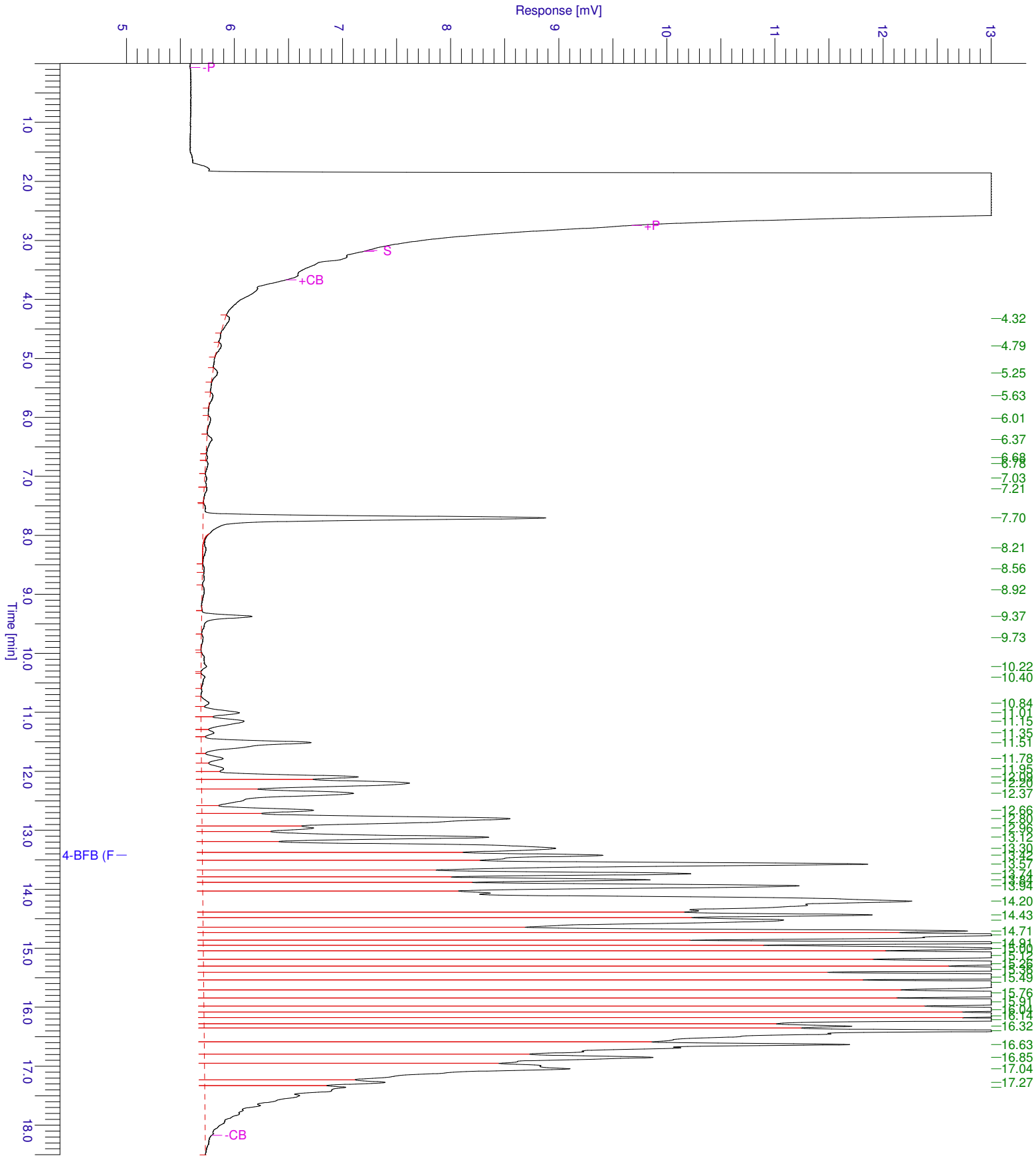
FB-1 @ 18 DF 10



Chromatogram

Sample Name : 1401069-03S Sample #: 020 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\013114B013.raw
Date : 2/7/2014 4:08:31 PM
Method : 012214varcalgas.mth Time of Injection: 1/31/2014 8:21:03 PM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

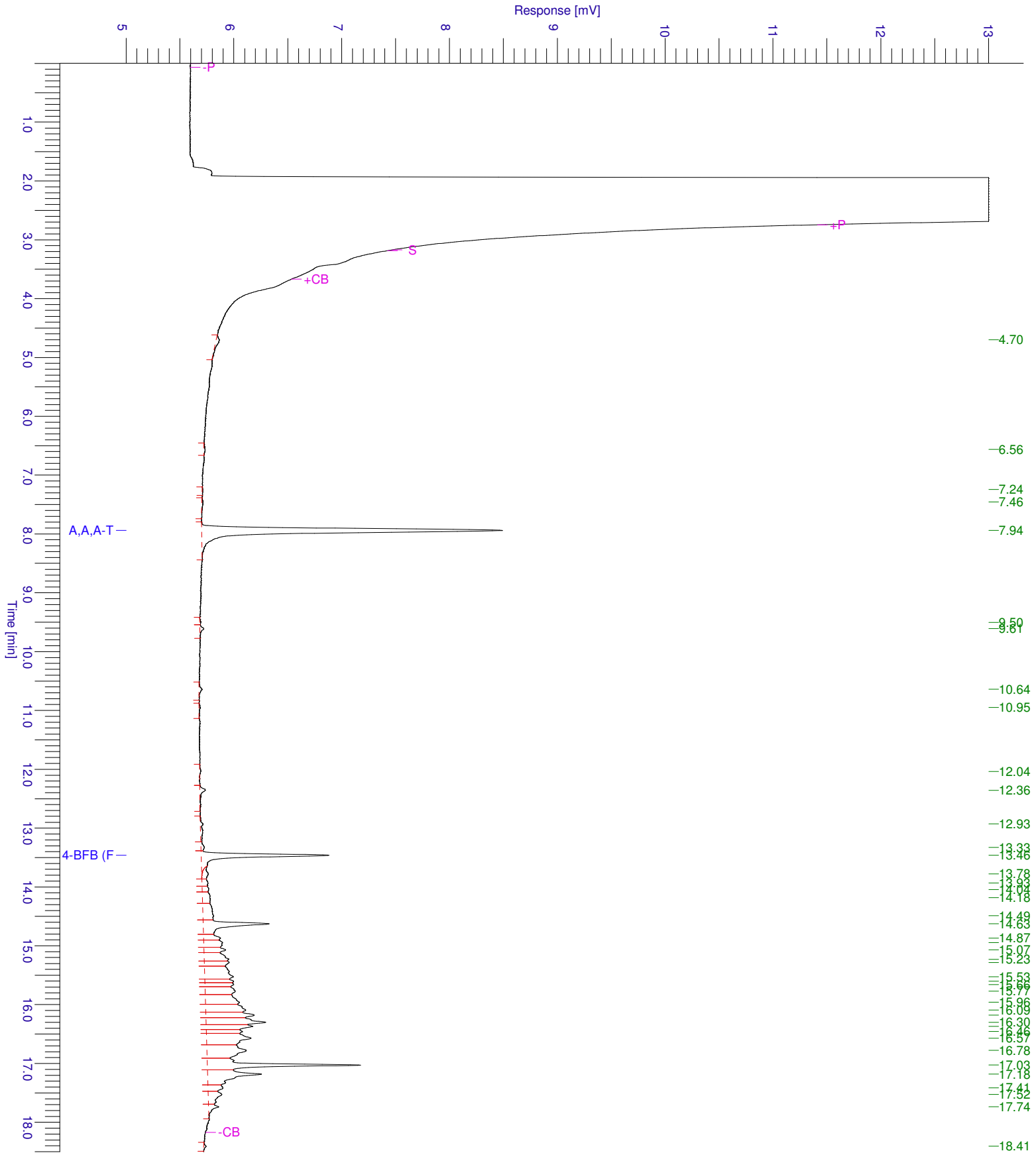
FB-1 @ 20



Chromatogram

Sample Name : 1401069-04S Sample #: 010 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\012314B009.raw
Date : 2/7/2014 3:26:07 PM
Method : 012214varcalgas.mth Time of Injection: 1/23/2014 11:13:30 PM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

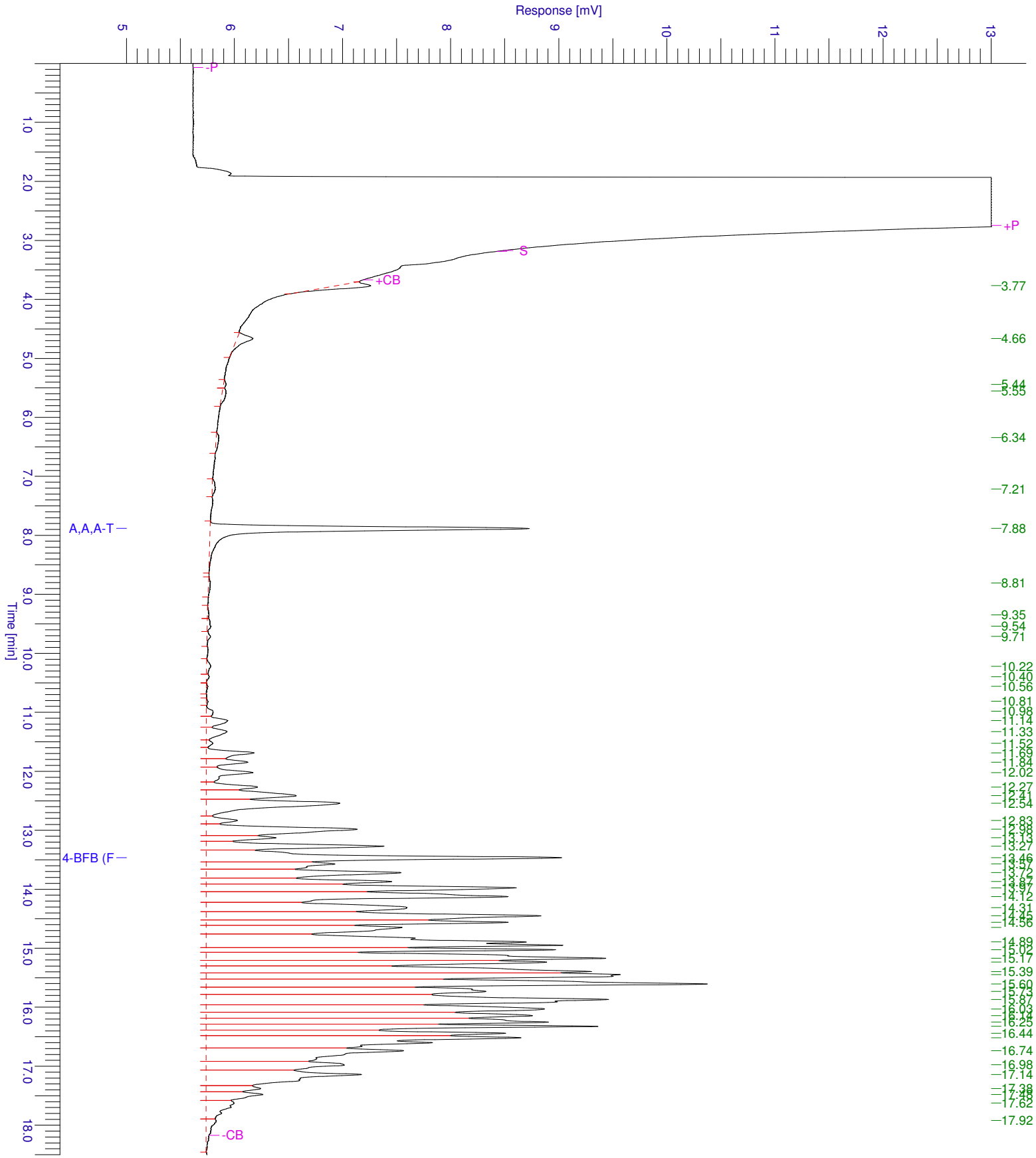
FB-3 @ 10



Chromatogram

Sample Name : 1401069-05S DF 100 Sample #: 018 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\012414B017.raw
Date : 2/7/2014 4:10:05 PM
Method : 012214varcalgas.mth Time of Injection: 1/25/2014 2:10:33 AM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

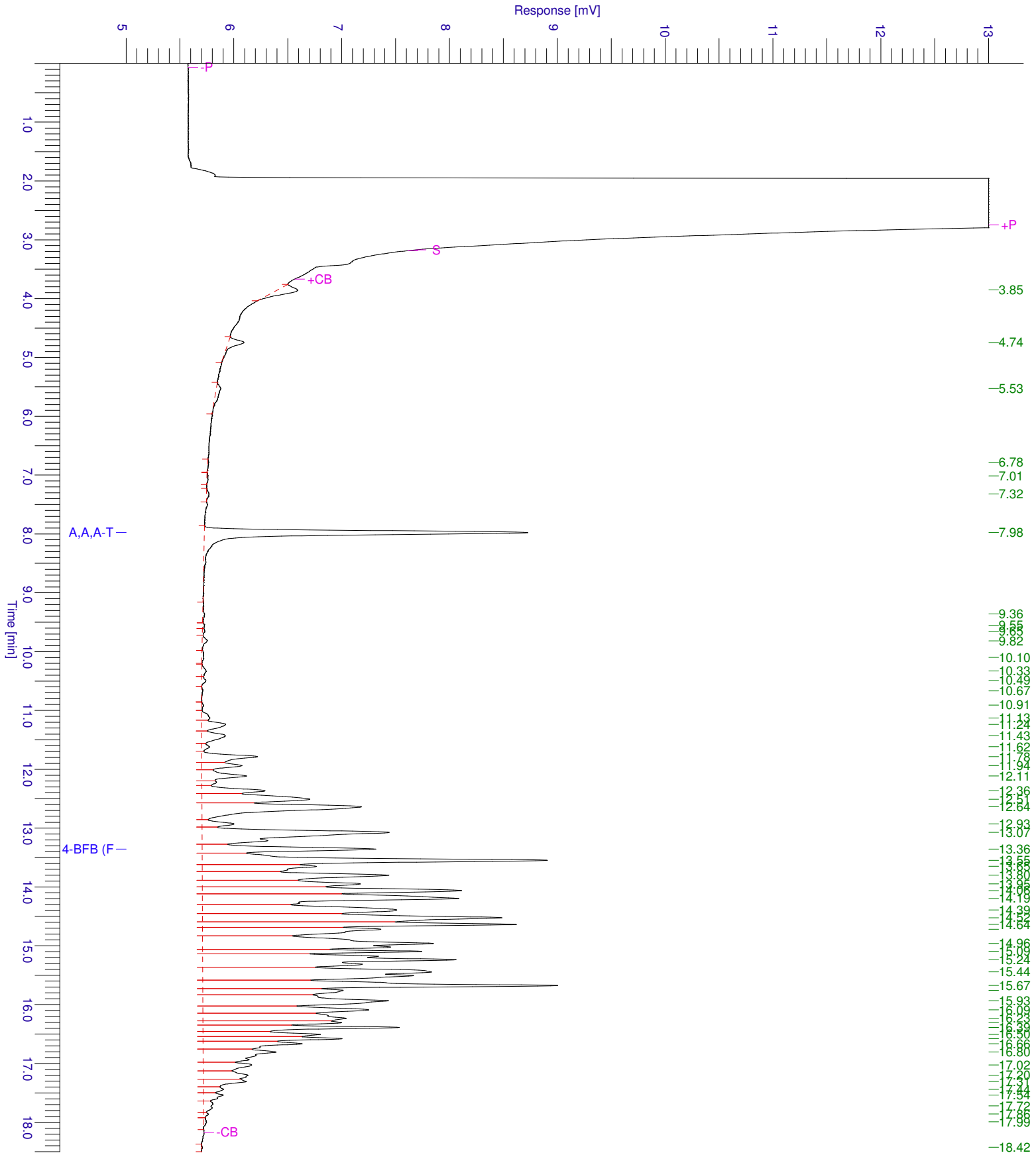
FB-3 @ 15 DF 100



Chromatogram

Sample Name : 1401069-06S DF 100 Sample #: 007
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\012414B006.raw
Date : 2/7/2014 4:12:00 PM
Method : 012214varcalgas.mth Time of Injection: 1/24/2014 8:50:07 PM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

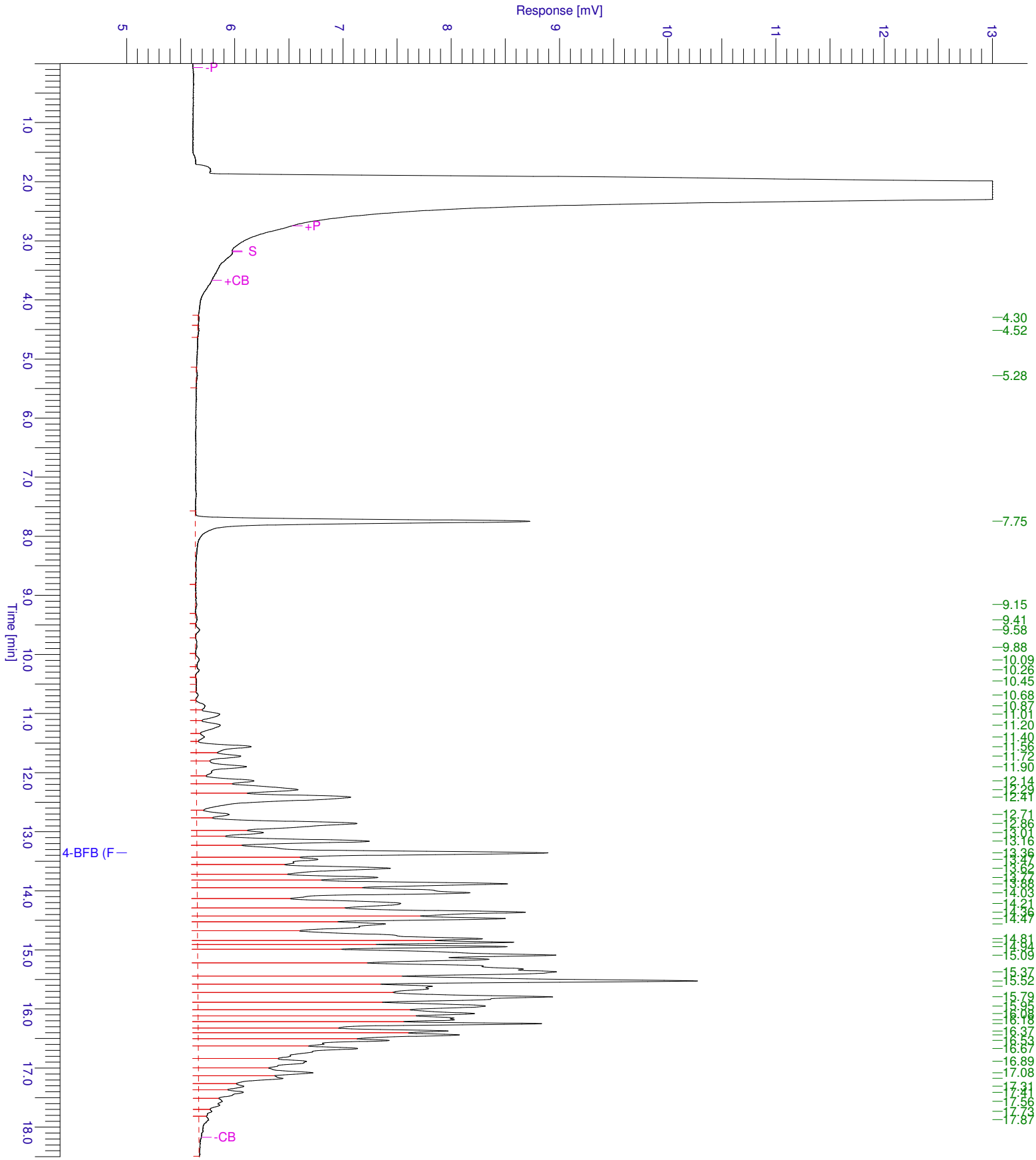
FB-3 @ 18 DF 100



Chromatogram

Sample Name : 1401069-07S DF10 Sample #: 022
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\013114B015.raw
Date : 2/7/2014 4:13:20 PM
Method : 012214varcalgas.mth Time of Injection: 1/31/2014 9:17:35 PM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

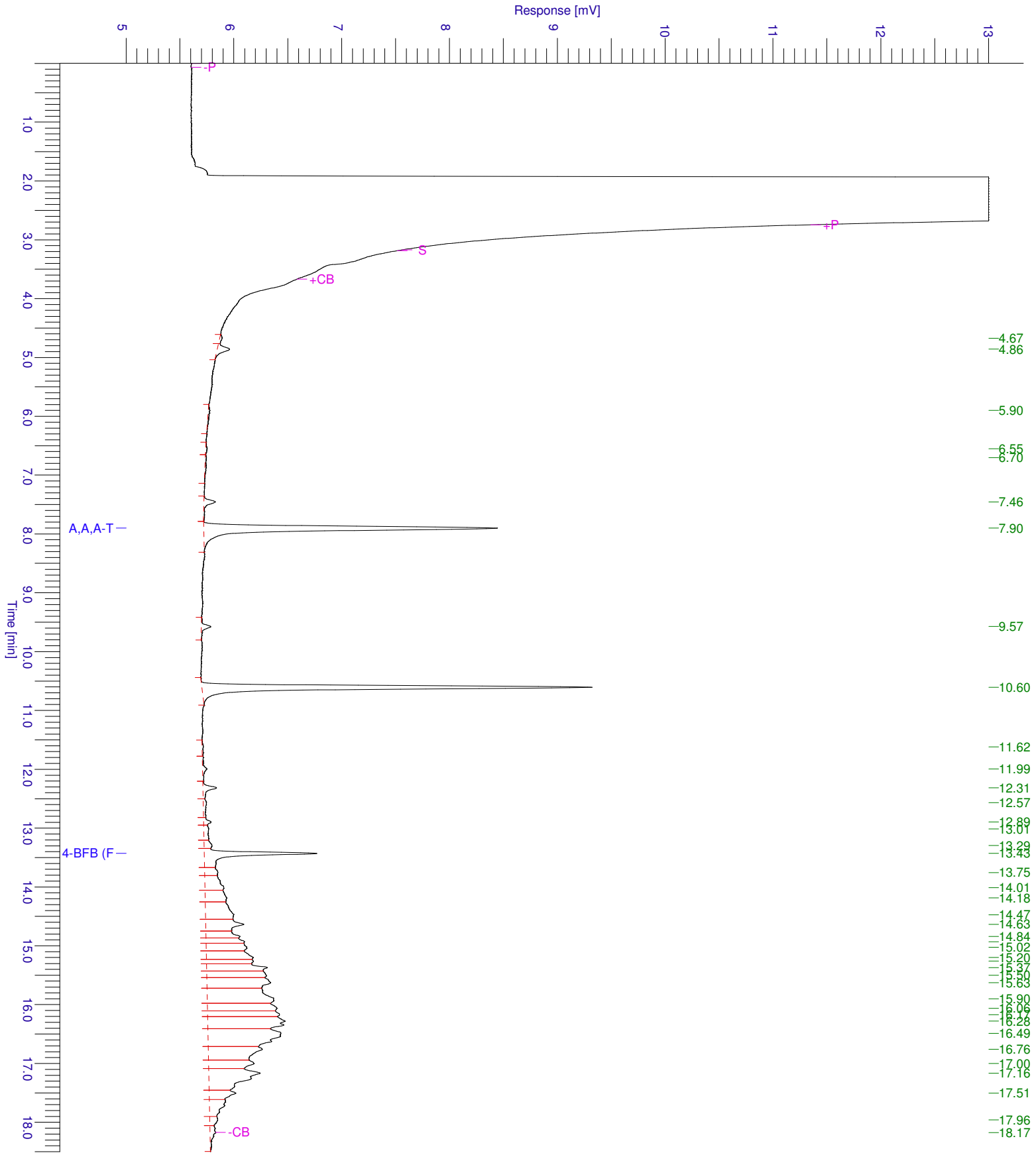
FB-3 @ 20 DF 10



Chromatogram

Sample Name : 1401069-08S Sample #: 012 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\012314B013.raw
Date : 2/7/2014 3:27:51 PM
Method : 012214varcalgas.mth Time of Injection: 1/24/2014 1:10:21 AM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

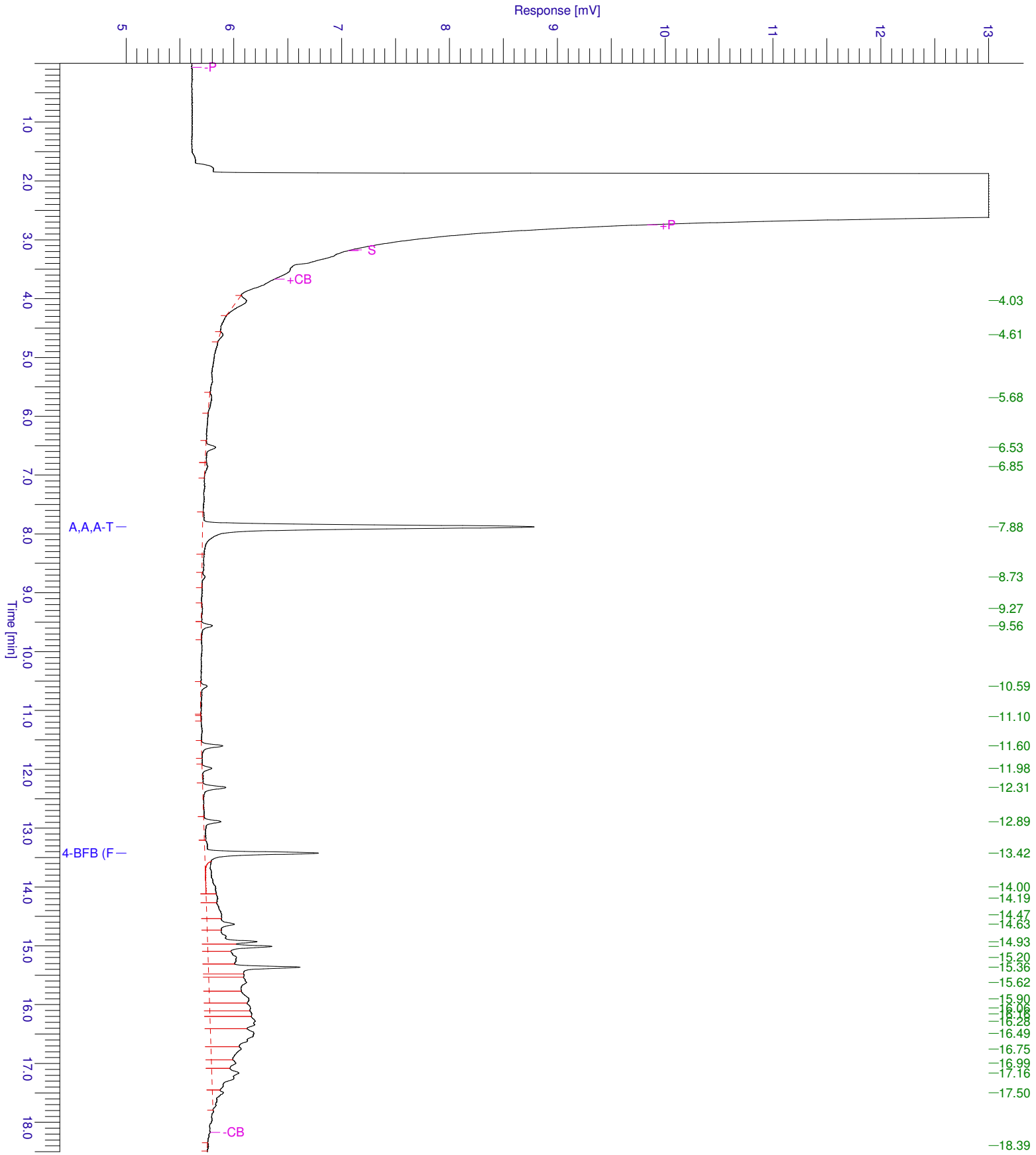
FB-5 @ 2



Chromatogram

Sample Name : 1401069-09S Sample #: 013 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\012314B014.raw
Date : 2/10/2014 4:33:14 PM
Method : 012214varcalgas.mth Time of Injection: 1/24/2014 1:39:21 AM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

FB-5 @ 10



Chromatogram

Sample Name : 1401069-10S DF50 Sample #: 023

FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\013114B016.raw

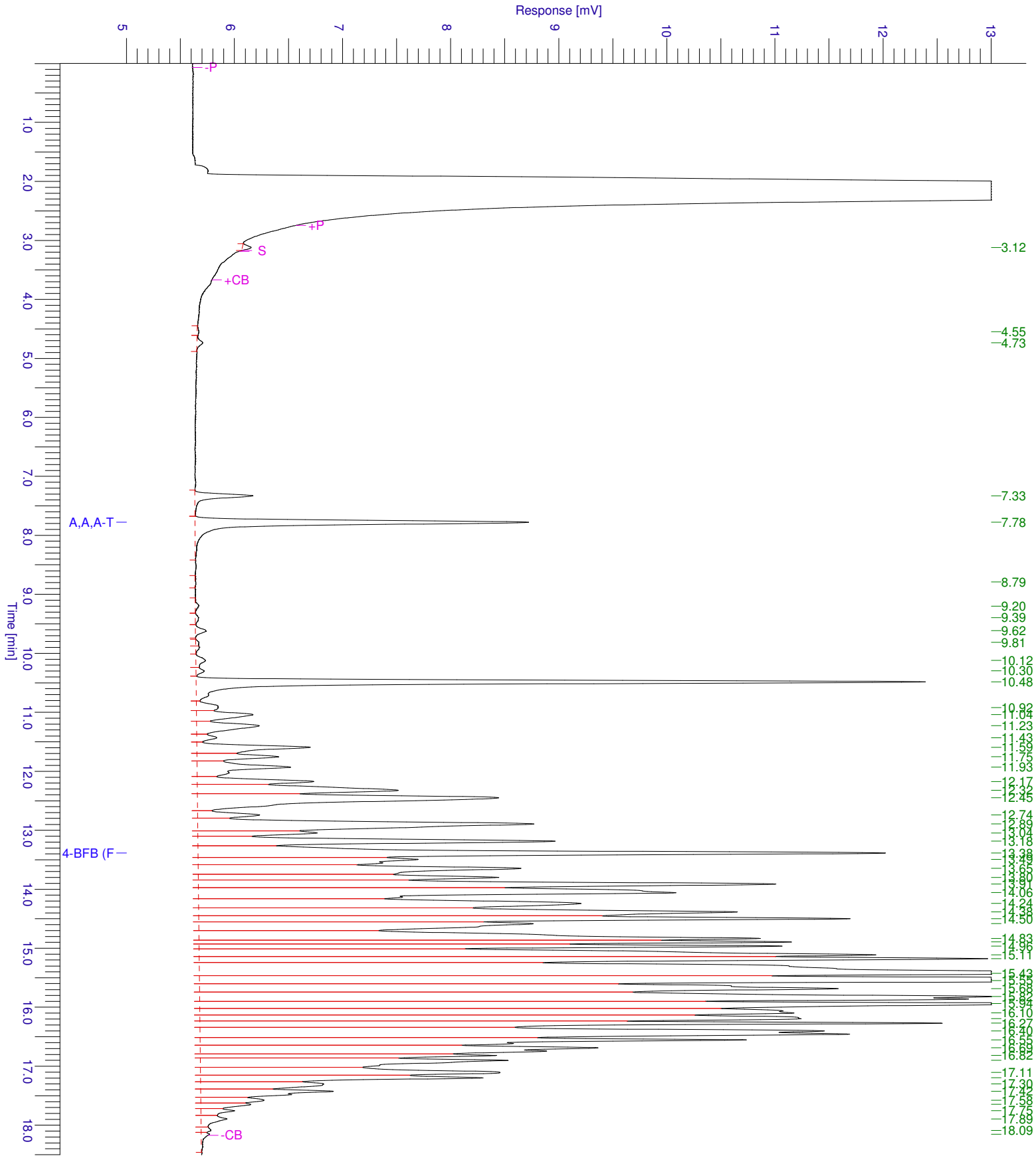
Date : 2/7/2014 4:14:28 PM

Method : 012214varcalgas.mth Time of Injection: 1/31/2014 9:45:52 PM

Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV

Plot Offset: 5.00 mV Plot Scale: 8.0 mV

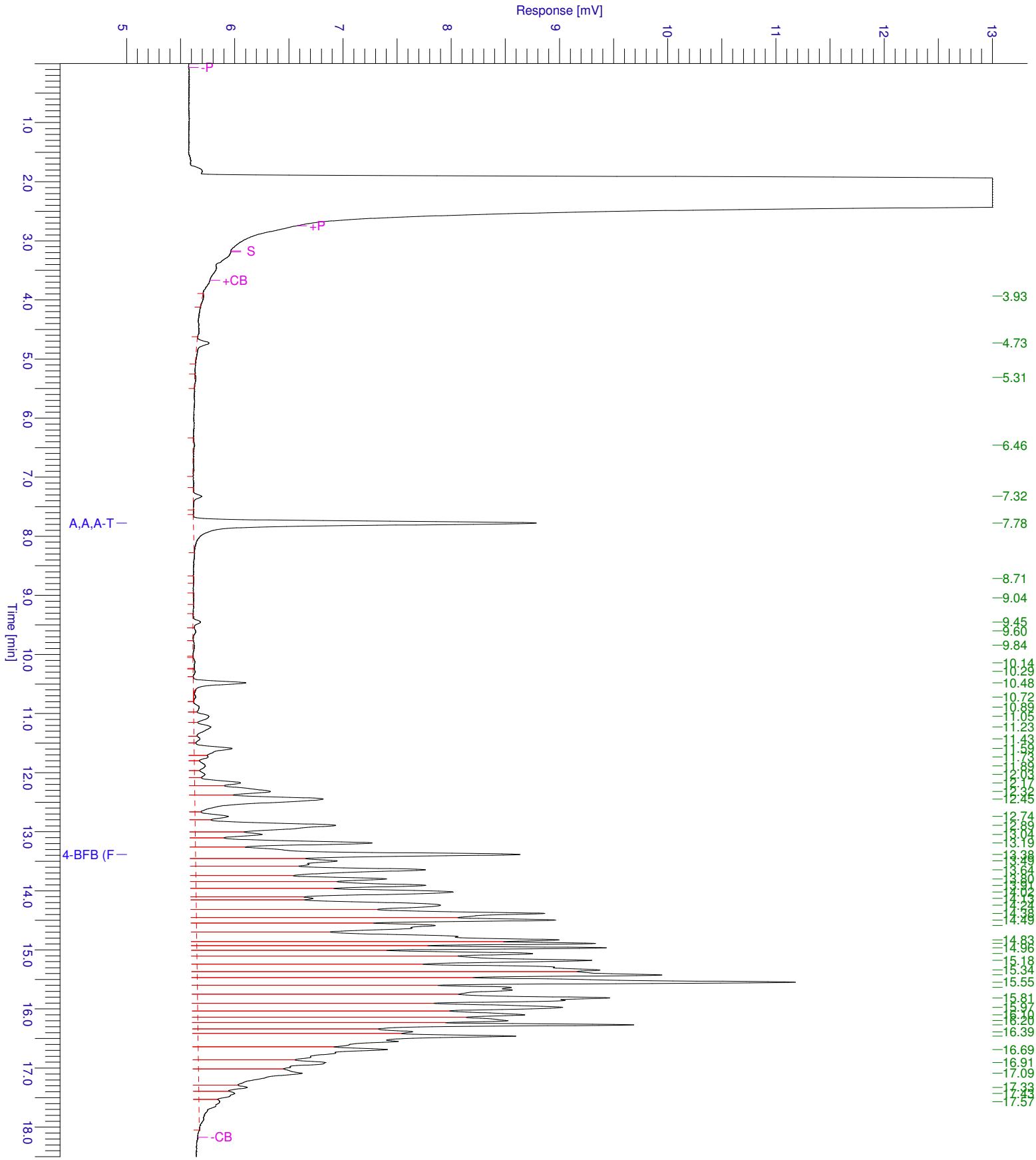
FB-5 @ 15 DF 50



Chromatogram

Sample Name : 1401069-11S DF20 Sample #: 018 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\013114B011.raw
Date : 2/10/2014 5:08:06 PM
Method : 012214varcalgas.mth Time of Injection: 1/31/2014 6:40:21 PM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

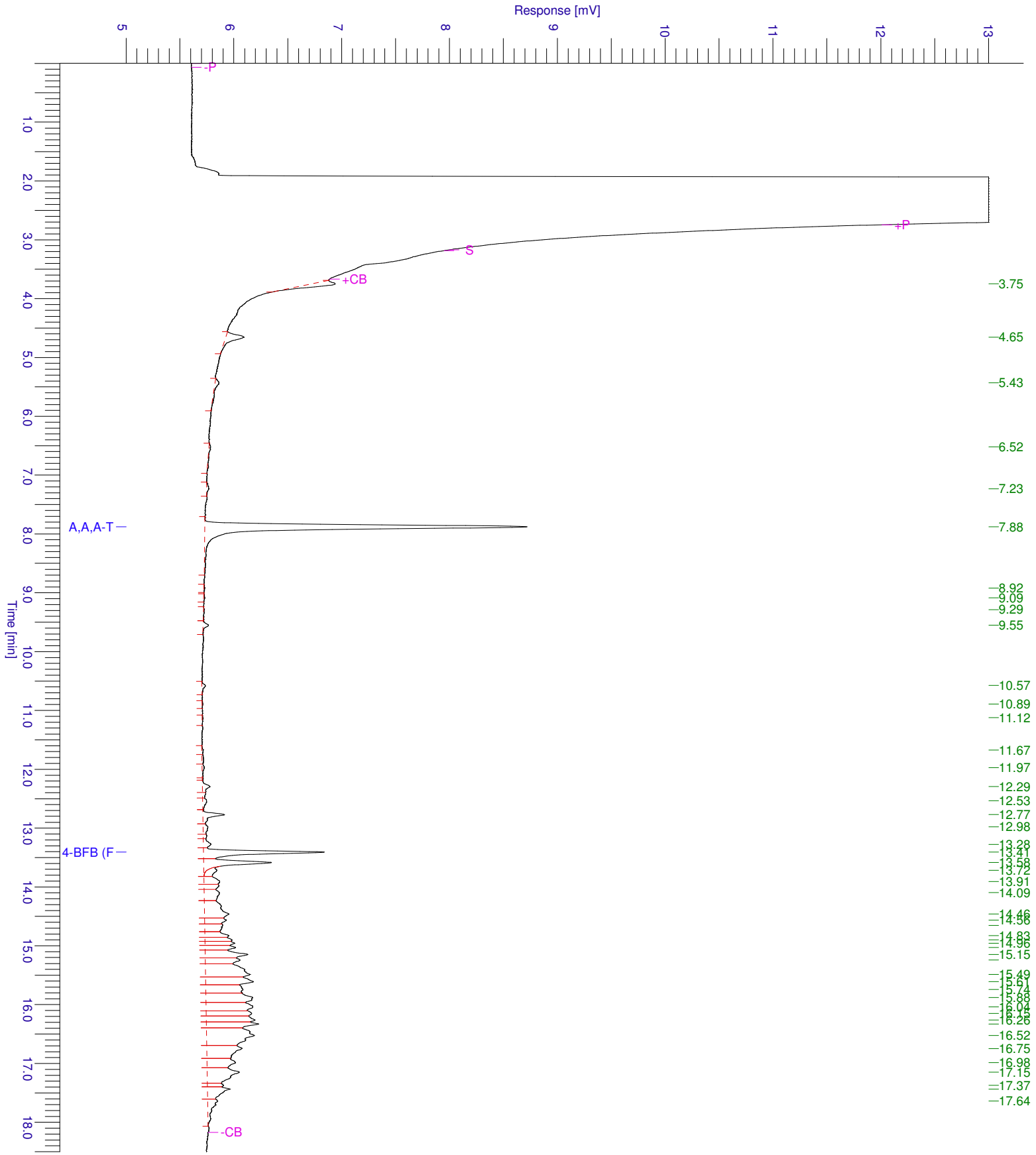
FB - 5 @ 20 DF 20



Chromatogram

Sample Name : 1401069-12S Sample #: 016 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\012314B017.raw
Date : 2/7/2014 3:29:03 PM
Method : 012214varcalgas.mth Time of Injection: 1/24/2014 3:06:00 AM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

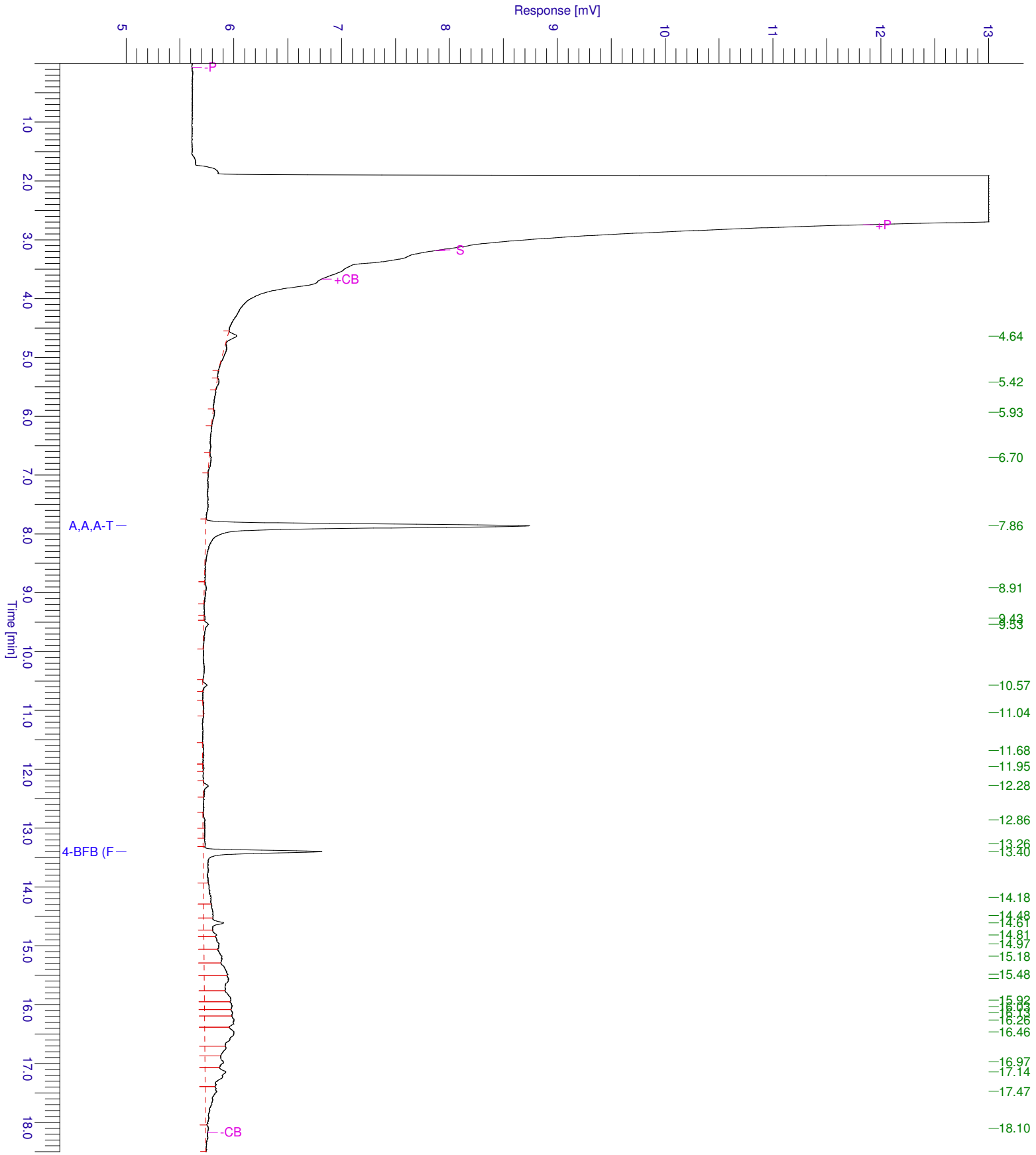
FB-8 @ 5



Chromatogram

Sample Name : 1401069-13S Sample #: 017 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\012314B018.raw
Date : 2/7/2014 4:18:54 PM
Method : 012214varcalgas.mth Time of Injection: 1/24/2014 3:34:46 AM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

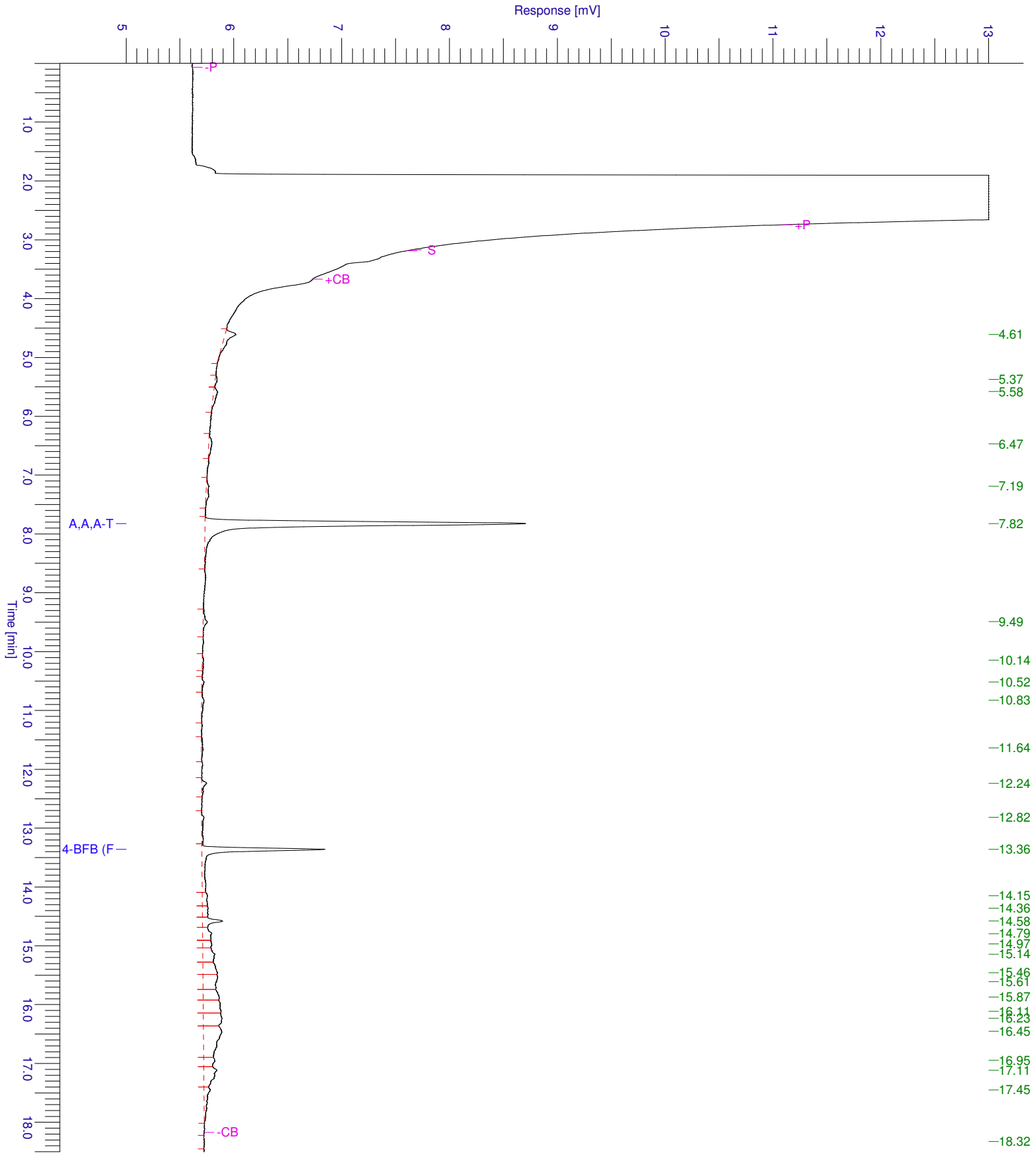
FB-8 @ 10



Chromatogram

Sample Name : 1401069-14S Sample #: 021 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\012314B022.raw
Date : 2/7/2014 3:30:27 PM
Method : 012214varcalgas.mth Time of Injection: 1/24/2014 5:29:27 AM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

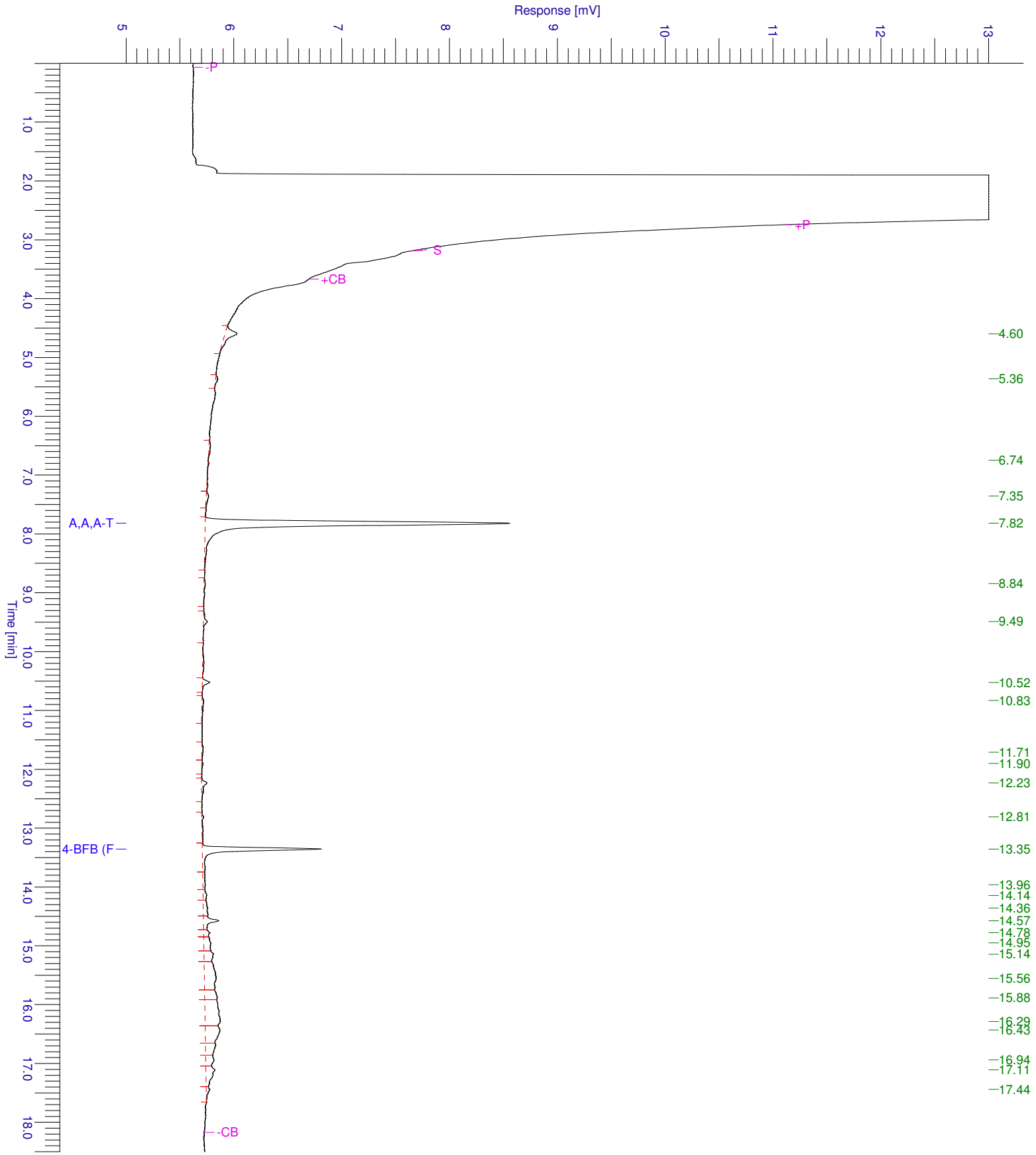
FB-8 @ 15



Chromatogram

Sample Name : 1401069-15S Sample #: 022 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\012314B023.raw
Date : 2/7/2014 3:31:02 PM
Method : 012214varcalgas.mth Time of Injection: 1/24/2014 5:57:56 AM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

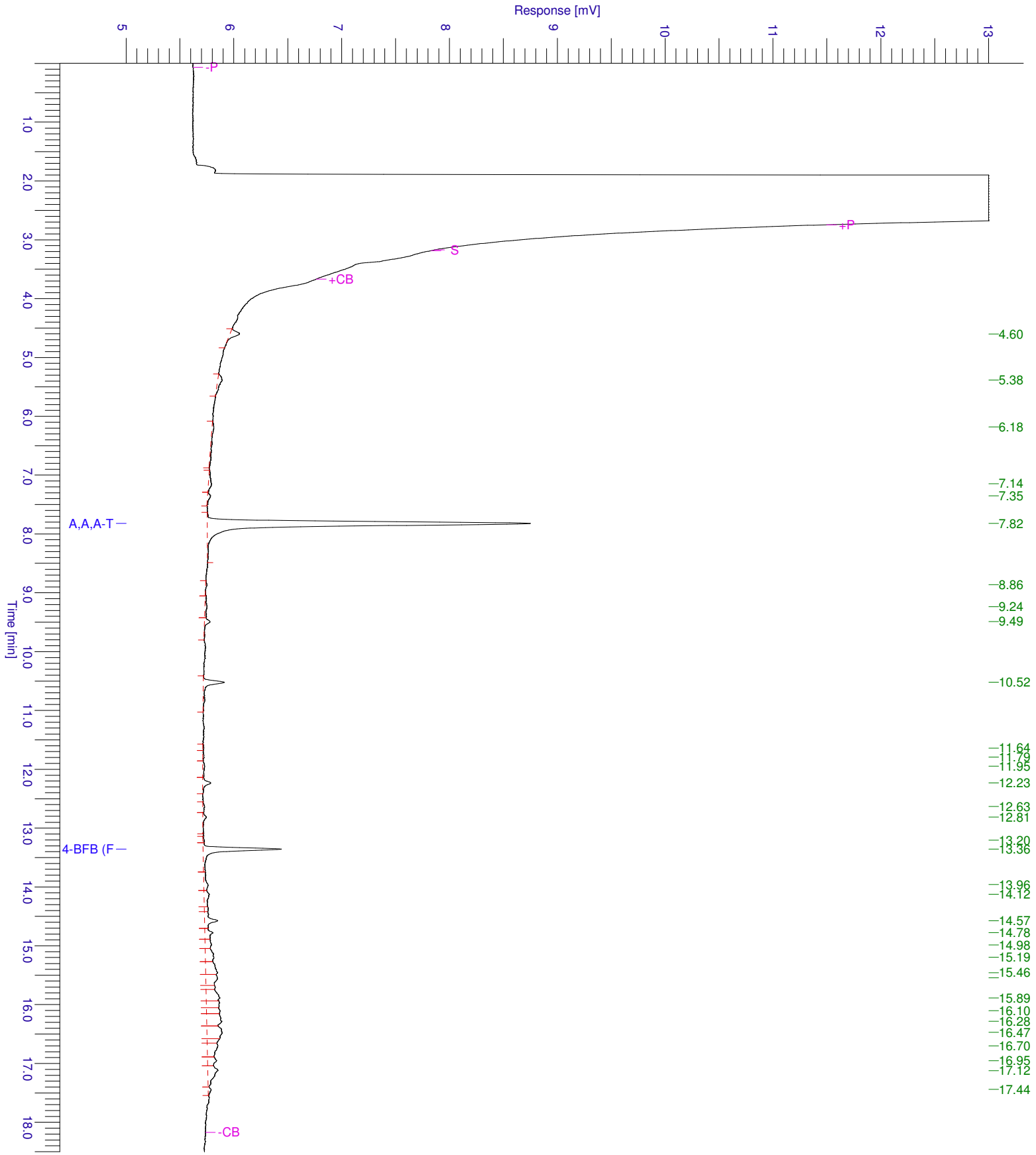
FB-8 @ 18



Chromatogram

Sample Name : 1401069-16S DF 2 Sample #: 025 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\012314B024.raw
Date : 2/7/2014 3:51:12 PM
Method : 012214varcalgas.mth Time of Injection: 1/24/2014 6:26:24 AM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

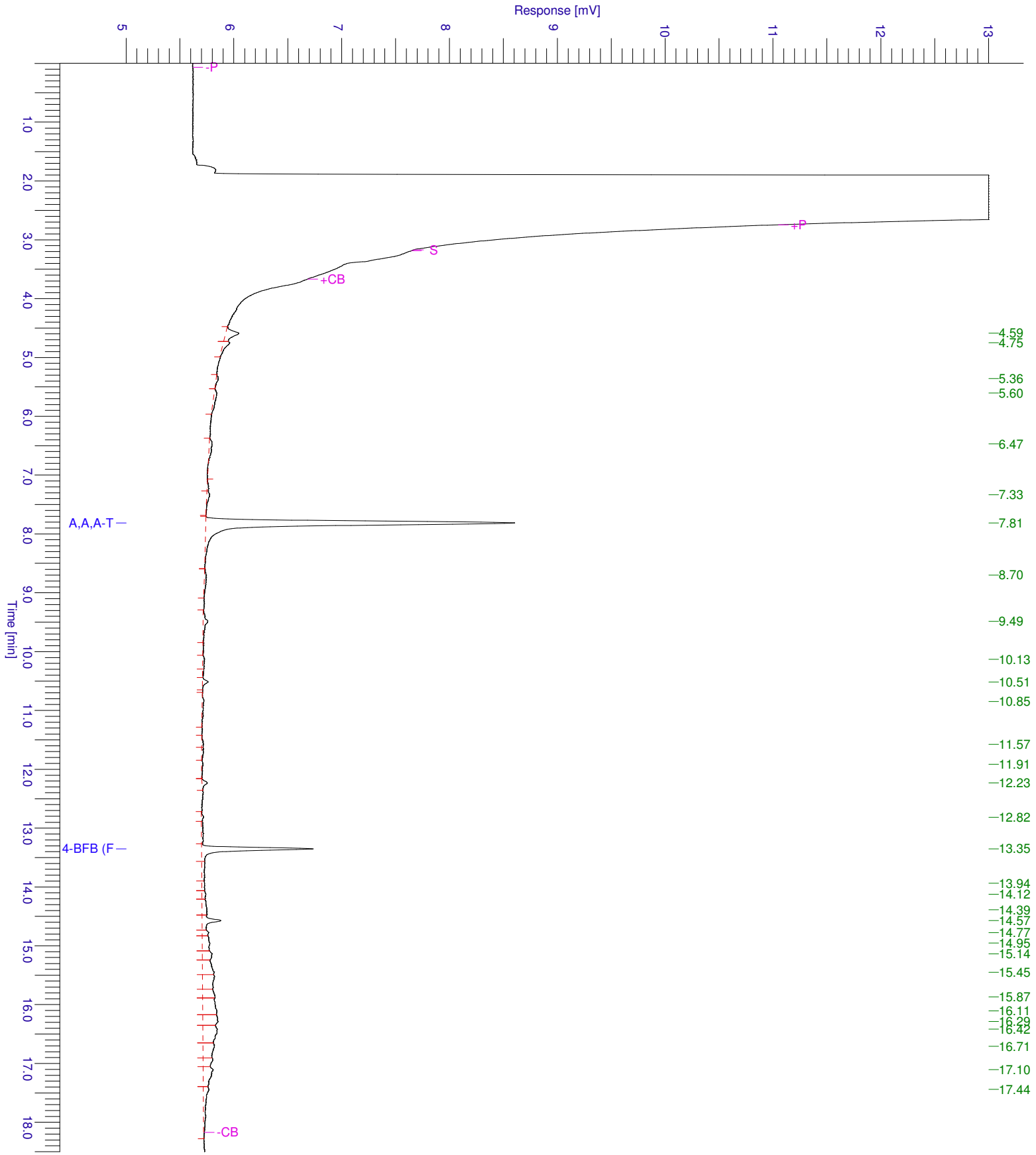
FB-9 @ 5 DF 2



Chromatogram

Sample Name : 1401069-17S Sample #: 024 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\012314B025.raw
Date : 2/10/2014 4:32:23 PM
Method : 012214varcalgas.mth Time of Injection: 1/24/2014 6:54:51 AM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

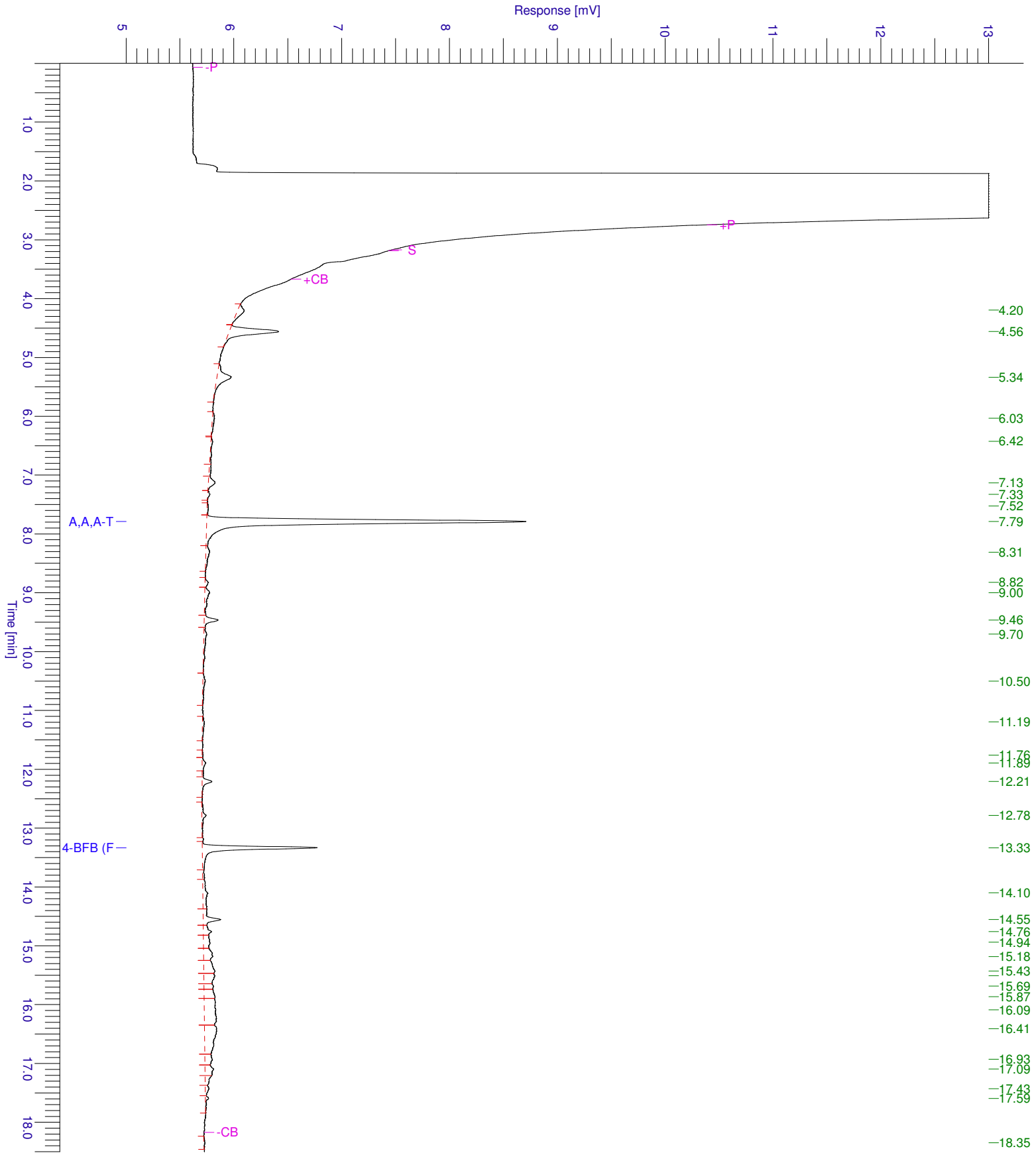
FB-9 @ 10



Chromatogram

Sample Name : 1401069-18S Sample #: 025 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\012314B026.raw
Date : 2/7/2014 3:52:54 PM
Method : 012214varcalgas.mth Time of Injection: 1/24/2014 7:23:14 AM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

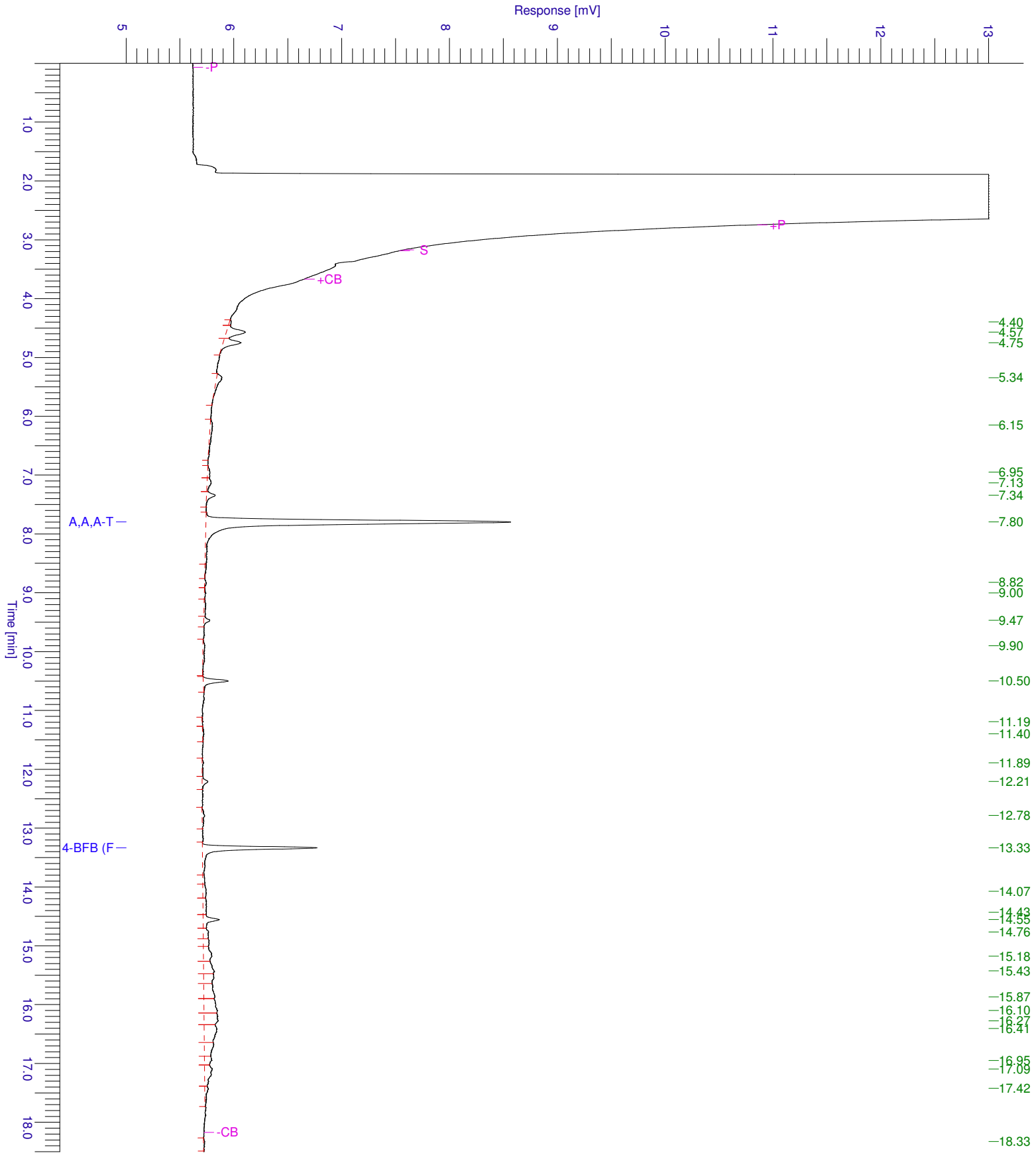
FB-9 @ 15



Chromatogram

Sample Name : 1401069-19S Sample #: 026 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\012314B027.raw
Date : 2/7/2014 3:53:32 PM
Method : 012214varcalgas.mth Time of Injection: 1/24/2014 7:51:36 AM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

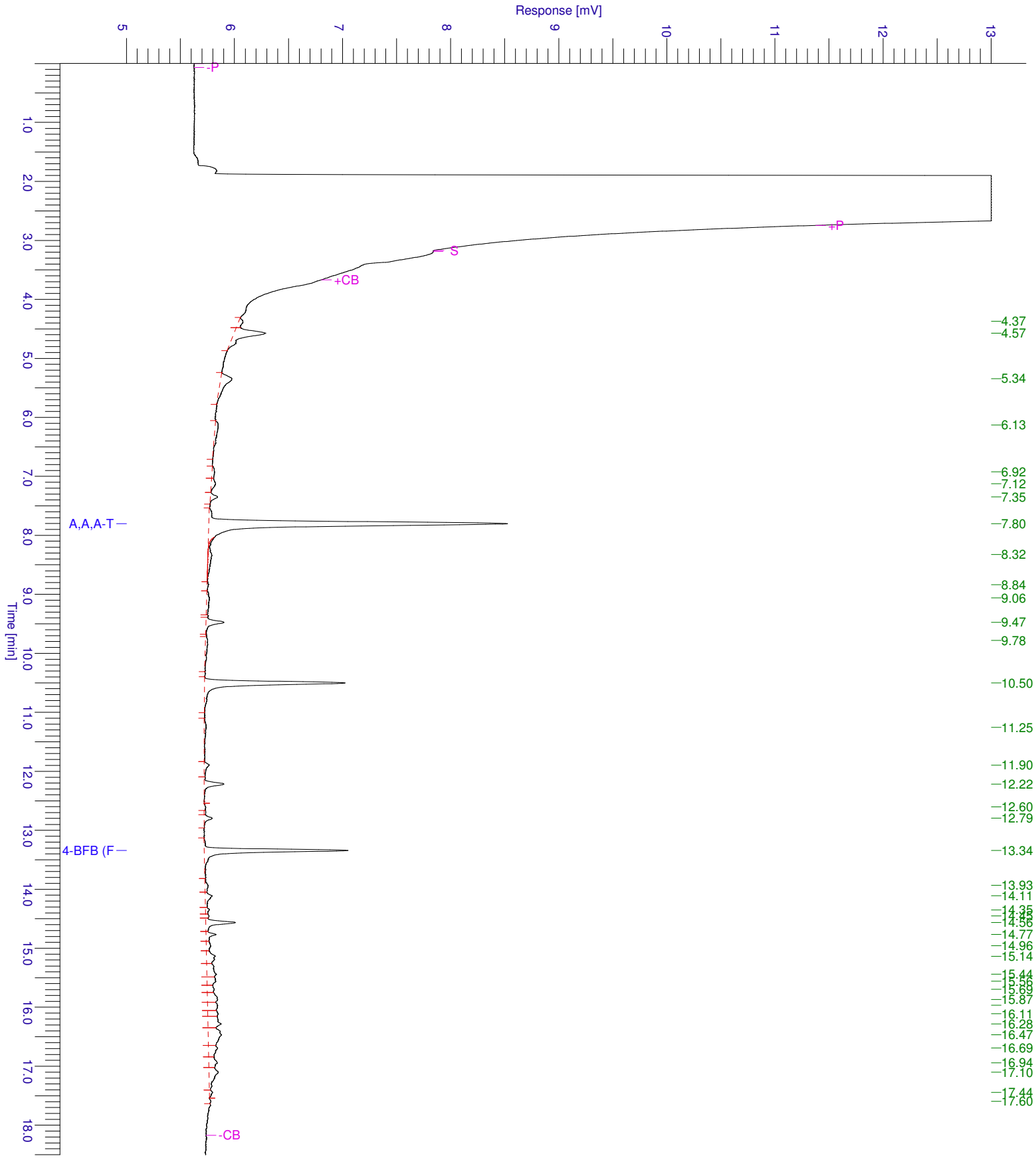
FB-9 @ 20



Chromatogram

Sample Name : 1401069-20S Sample #: 027 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\012314B028.raw
Date : 2/7/2014 3:54:14 PM
Method : 012214varcalgas.mth Time of Injection: 1/24/2014 8:19:49 AM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

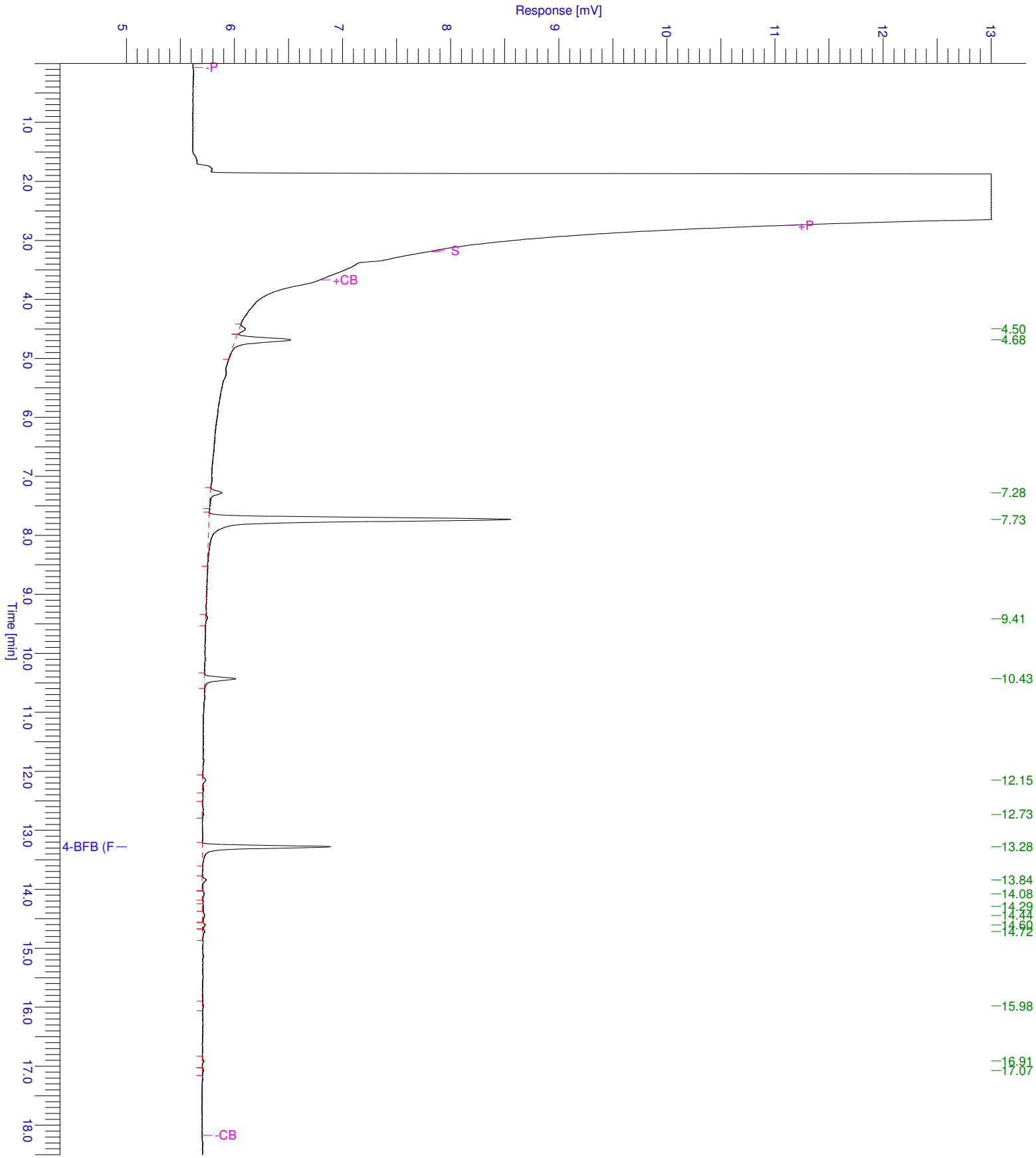
FB-10 @ 2



Chromatogram

Sample Name : 1401069-21S Sample #: 029 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\012214B030.raw
Date : 2/7/2014 3:18:50 PM
Method : 012214varcalgas.mth Time of Injection: 1/23/2014 6:41:16 AM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

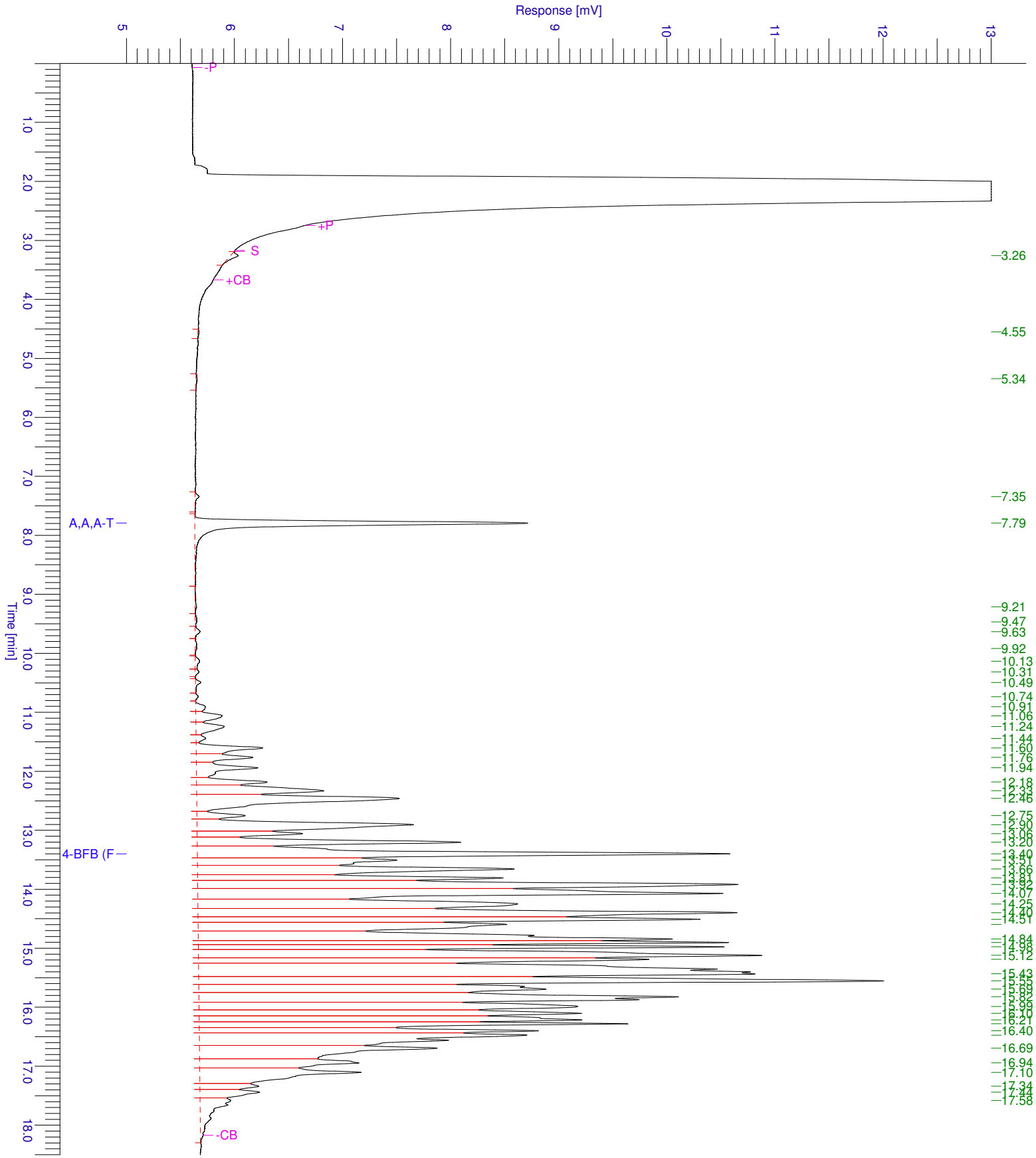
FB-10 @ 10



Chromatogram

Sample Name : 1401069-22S DF100 Sample #: 024 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\013114B017.raw
Date : 2/7/2014 4:17:03 PM
Method : 012214varcalgas.mth Time of Injection: 1/31/2014 10:14:10 PM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

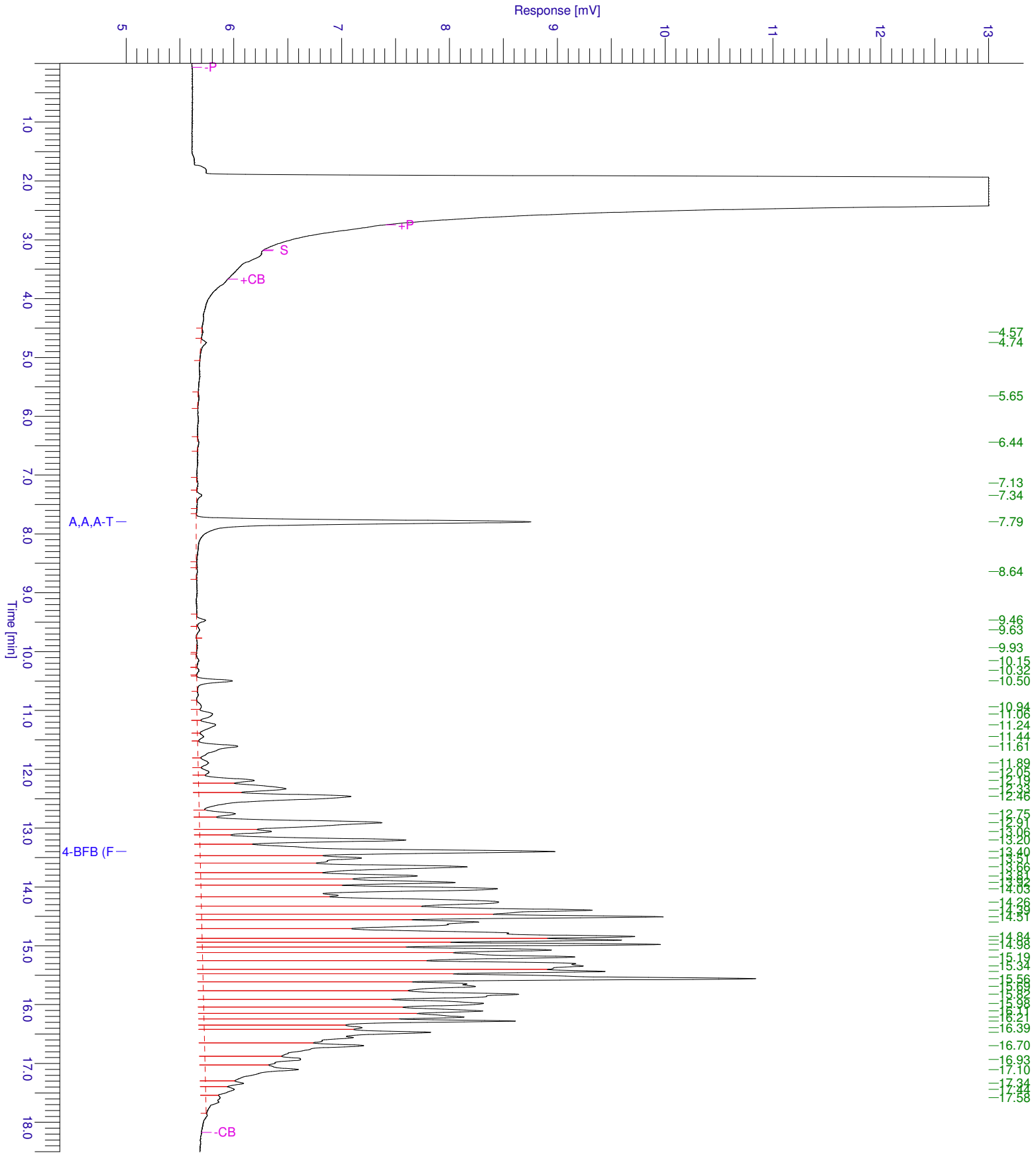
FB-10 @18 DF 100



Chromatogram

Sample Name : 1401069-23S DF10 Sample #: 025
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\013114B018.raw
Date : 2/7/2014 4:17:21 PM
Method : 012214varcalgas.mth Time of Injection: 1/31/2014 10:42:25 PM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

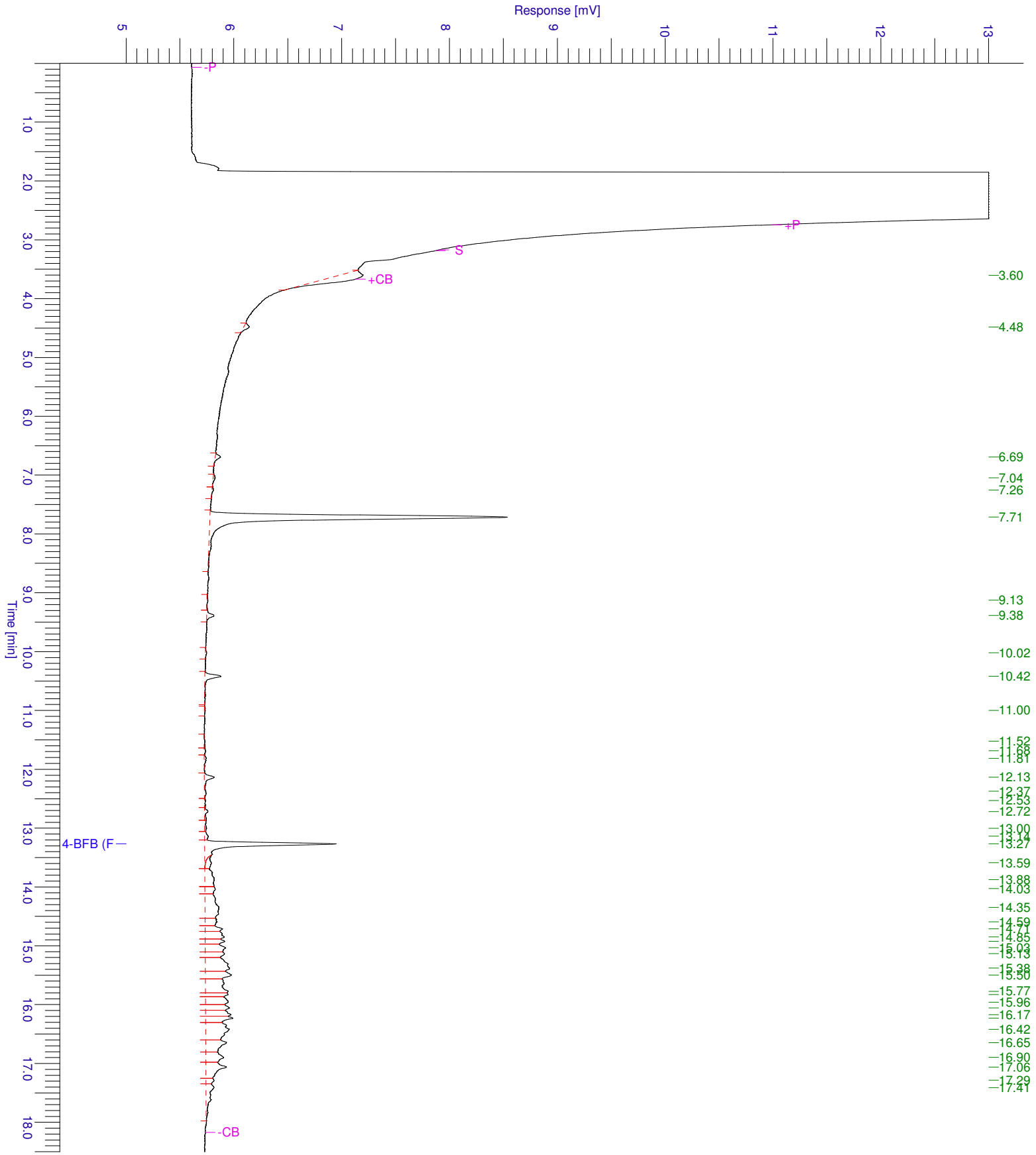
FB-10 @ 20 DF 10



Chromatogram

Sample Name : 1401069-24S Sample #: 4 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\012214B033.raw
Date : 2/7/2014 3:20:50 PM
Method : 012214varcalgas.mth Time of Injection: 1/23/2014 8:04:48 AM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

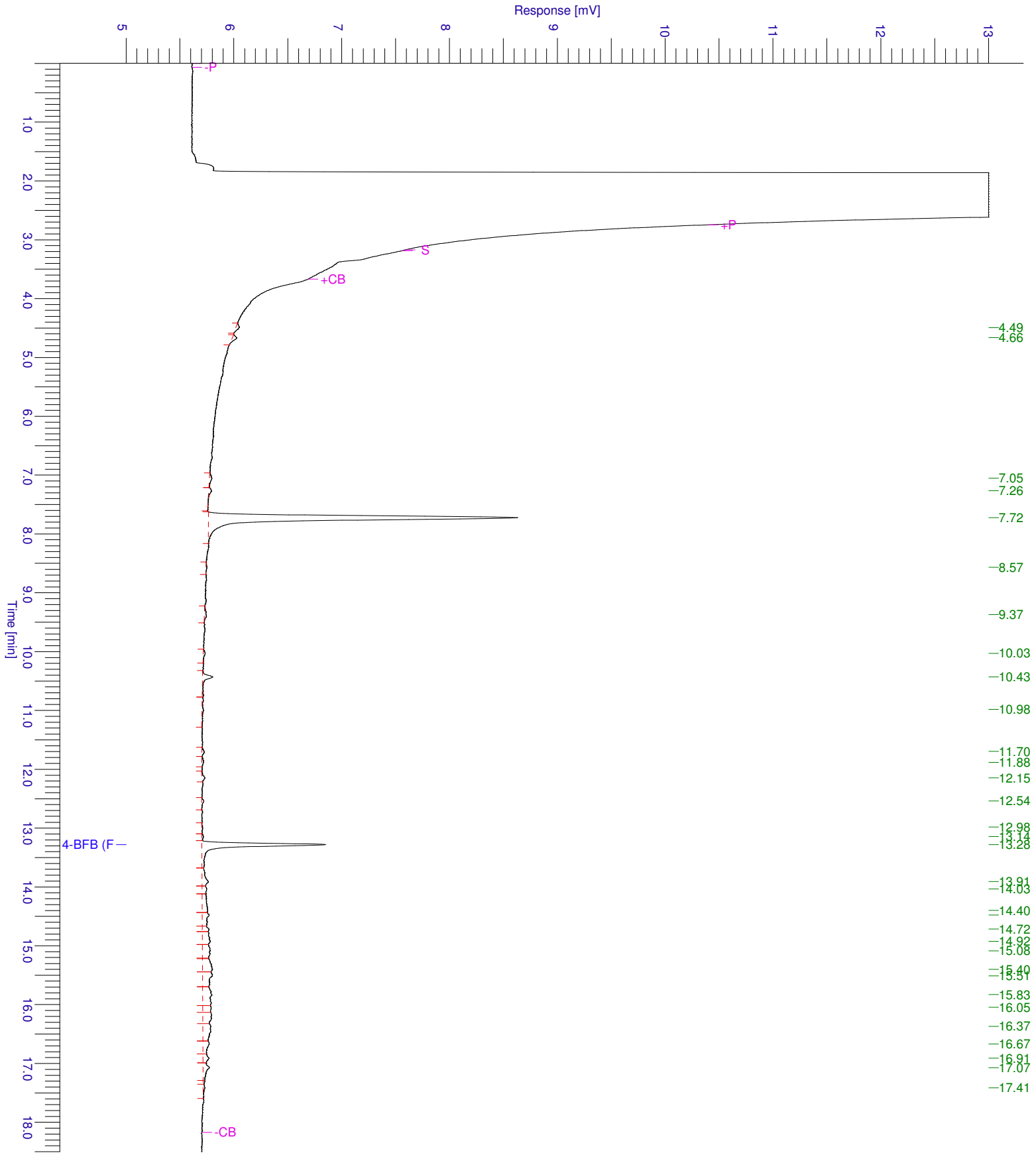
FB-12 @ 2



Chromatogram

Sample Name : 1401069-25S Sample #: 5 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\012214B034.raw
Date : 2/7/2014 3:21:25 PM
Method : 012214varcalgas.mth Time of Injection: 1/23/2014 8:32:43 AM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

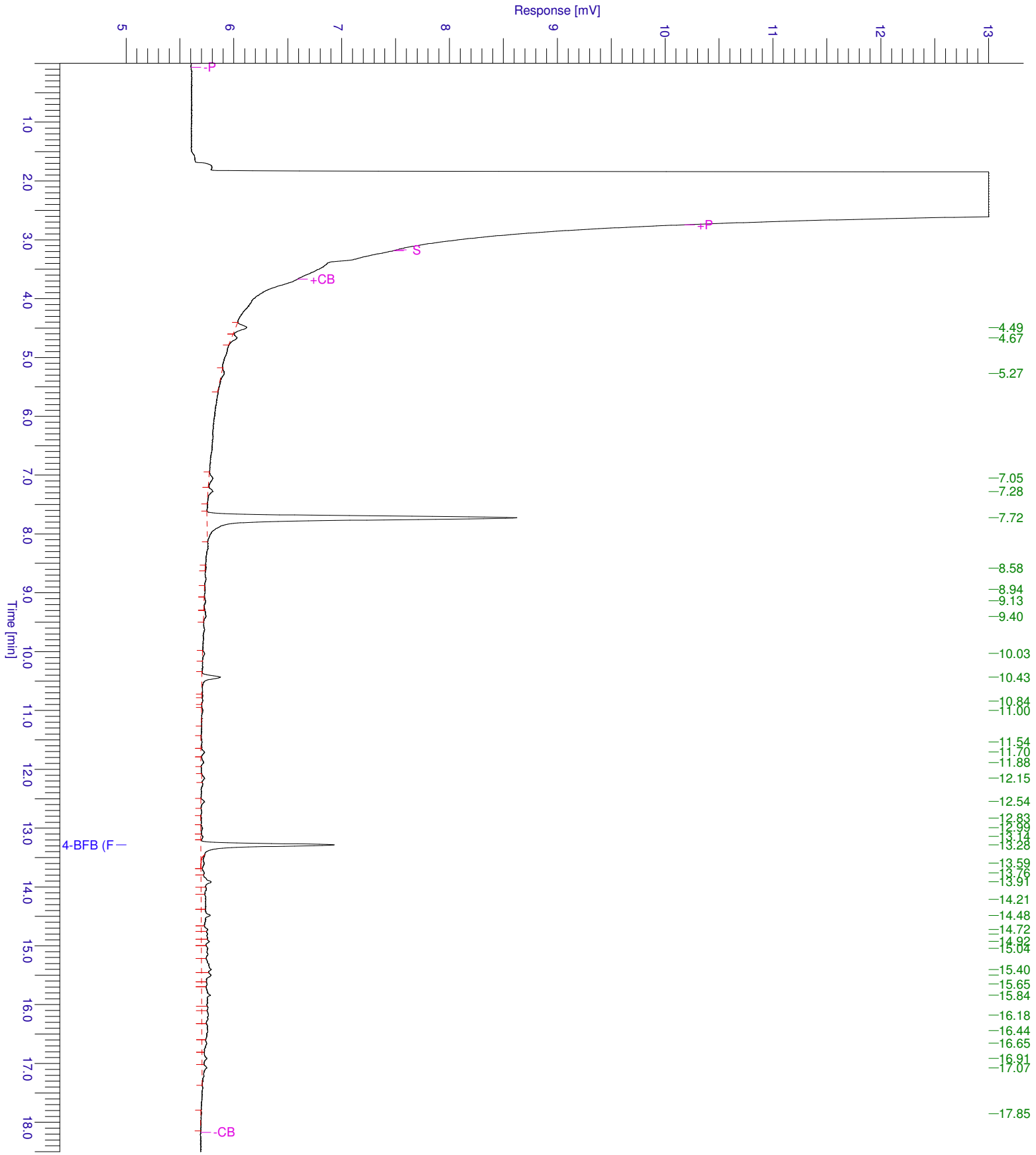
FB-12 @ 10



Chromatogram

Sample Name : 1401069-26S Sample #: 6 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\012214B035.raw
Date : 2/7/2014 3:21:59 PM
Method : 012214varcalgas.mth Time of Injection: 1/23/2014 9:00:43 AM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

FB-12 @ 18



CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate No. 2480

2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
Fax: (209) 384-1507

Moore Twining Associates, Inc. 2527 Fresno Street Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13072 Lab Reference Number: 1401077 Sample Description: Water Sample Prep/Analysis Method: LUFT/EPA 8015B Lab Numbers: 1401077-01, 02, 03, 04	Sampled: See Below Received: 01-21-14 Extracted: 01-24-14 Analyzed: 01-24-14 Reported: 02-05-14

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

ANALYTE	REPORTING LIMIT (µg/L)	SAMPLE ID FB-3 (4A13072-14) (µg/L)	SAMPLE ID FB-5 (4A13072-20) (µg/L)	SAMPLE ID FB-9 (4A13072-33) (µg/L)	SAMPLE ID FB-10 (4A13072-40) (µg/L)
STODDARD SOLVENT HYDROCARBONS C8->C14	100	290000 220000 (SGT)	65000 58000 (SGT)	390 310 (SGT)	86000 73000 (SGT)
DIESEL RANGE HYDROCARBONS C10->C22	100	200000* 150000 (SGT)	50000* 44000 (SGT)	130* 120 (SGT)	59000* 48000 (SGT)
MOTOR OIL RANGE HYDROCARBONS C22->C40	500	ND	ND	ND	ND
Report Limit Multiplication Factor:		50	20	1	20
Date Sampled:		01-11-14	01-12-14	01-11-14	01-12-14

SGT = Silica Gel column clean-up.
*Non-diesel pattern; overlap of stoddard solvent into diesel range.

o-Terphenyl Surrogate % Recovery:	100%	108%	106%	106%
Instrument ID:	HP-GC1	HP-GC1	HP-GC1	HP-GC1

Analytes reported as ND were not detected or below the Practical Quantitation Limit
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor
MDL = Method Detection Limit - (J) indicates a value between the MDL and the Reporting Limit

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate No. 2480

2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
Fax: (209) 384-1507

Moore Twining Associates, Inc. 2527 Fresno Street Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13072 Lab Reference Number: 1401077 Sample Description: Water	Method: LUFT/EPA 8015B Instrument ID: HP-GC1 Extracted: 01-24-14 Analyzed: 01-24-14 Reported: 02-05-14

QUALITY CONTROL DATA REPORT

ANALYTE	TPH-Diesel
Spike Concentration:	194
Units:	ug/L
Batch #:	TPHDW-1244
Method Blank:	ND
LCSA % Recovery:	99.8%
LCSB % Recovery:	104%
Control Limits:	60-130 %
Relative % Difference:	4.5%
MS/MSD Batch #:	TPHDW-1244
MS % Recovery:	NA
MSD % Recovery:	NA
Relative % Difference:	NA

Note: Insufficient sample material to prepare MS/MSD samples. LCS samples prepared in duplicate.

The LCS (Laboratory Check Sample) is a control sample of known, interferent free matrix that is fortified with representative analytes and analyzed using the same reagents, preparation and analytical methods employed for the samples. The LCS % recovery is used for validation of sample batch results. Due to matrix effects, the QC limits and recoveries for MS/MSD's are advisory only and are not used to accept or reject batch results.

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

MOORE TWINING ASSOCIATES, INC.

SUBCONTRACT ORDER - Purchase Order # 19614

California ELAP Certification # 1371

MTA Project # 4A13072

Please reference these numbers on all reports and invoices:
We also request QC data be provided with final report.

SENDING LABORATORY:

Moore Twining Associates, Inc.
2527 Fresno Street
Fresno, CA 93721
Phone: (559) 268-7021
Fax: (559) 268-0740
Project Manager: Julio Morales

RECEIVING LABORATORY:

Castle Analytical Laboratory
2333 Shuttle Drive
Atwater, CA 95301
Phone :(209) 384-2930
Fax: (209) 384-1507

1401077

Sample Comments

Client Sample ID#: FB-1@10

MTA Sample ID: 4A13072-03 Matrix: Soil **Sampled: 01/11/14 09:40** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/25/14 09:40 Please include TPH-G

Containers Supplied:

Client Sample ID#: FB-1@18

MTA Sample ID: 4A13072-04 Matrix: Soil **Sampled: 01/11/14 09:55** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/25/14 09:55 Please include TPH-G

Containers Supplied:

Client Sample ID#: FB-1@20

MTA Sample ID: 4A13072-05 Matrix: Soil **Sampled: 01/11/14 10:15** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/25/14 10:15 Please include TPH-G

Containers Supplied:

Client Sample ID#: FB-3@10

MTA Sample ID: 4A13072-10 Matrix: Soil **Sampled: 01/11/14 11:35** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/25/14 11:35 Please include TPH-G

Containers Supplied:

Released By	Date	Received By	Date
[signature]	1/20/14	[signature]	1/21/14 10:30 am
Released By	Date	Received By	Date

Please fax copy of receipt with your assigned sample ID number to (559) 268-0740

MOORE TWINING ASSOCIATES, INC.

SUBCONTRACT ORDER - Purchase Order # 19614

California ELAP Certification # 1371

MTA Project # 4A13072

Please reference these numbers on all reports and invoices:
We also request QC data be provided with final report.

1401077

Sample Comments

Client Sample ID#: FB-3@15

MTA Sample ID: 4A13072-11 Matrix: Soil **Sampled: 01/11/14 11:45** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/25/14 11:45 Please include TPH-G

Containers Supplied:

Client Sample ID#: FB-3@18

MTA Sample ID: 4A13072-12 Matrix: Soil **Sampled: 01/11/14 11:50** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/25/14 11:50 Please include TPH-G

Containers Supplied:

Client Sample ID#: FB-3@20

MTA Sample ID: 4A13072-13 Matrix: Soil **Sampled: 01/11/14 12:00** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/25/14 12:00 Please include TPH-G

Containers Supplied:

DLW

Client Sample ID#: FB-3

MTA Sample ID: 4A13072-14 Matrix: Water **Sampled: 01/11/14 12:30** **Report Due to Client: 01/27/14**

Requested Analysis: TPH-MO - SGT (C14-C40)	Holding time expires: 01/25/14 12:30	Please submit Chromatogram with data
Requested Analysis: TPH-MO (C14-C40)	Holding time expires: 01/25/14 12:30	Please submit Chromatogram with data
Requested Analysis: TPH-D (SGT)	Holding time expires: 01/25/14 12:30	Please submit Chromatogram with data
Requested Analysis: TPH-D (C10-C28)	Holding time expires: 01/25/14 12:30	Please submit Chromatogram with data

Containers Supplied:

1L Amber Glass
Unpreserved (C)

* stoddard solvent

Released By	Date	Received By	Date
[signature]	1/20/14	[signature]	1/21/14 10:30 am
Released By	Date	Received By	Date

Please fax copy of receipt with your assigned sample ID number to (559) 268-0740

MOORE TWINING ASSOCIATES, INC.

SUBCONTRACT ORDER - Purchase Order # 19614

California ELAP Certification # 1371

MTA Project # 4A13072

Please reference these numbers on all reports and invoices:
We also request QC data be provided with final report.

Sample Comments

Client Sample ID#: FB-5@2

MTA Sample ID: 4A13072-15 Matrix: Soil **Sampled: 01/11/14 12:55** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/25/14 12:55 Please include TPH-G

Containers Supplied:

Client Sample ID#: FB-5@10

MTA Sample ID: 4A13072-17 Matrix: Soil **Sampled: 01/11/14 13:15** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/25/14 13:15 Please include TPH-G

Containers Supplied:

Client Sample ID#: FB-5@15

MTA Sample ID: 4A13072-18 Matrix: Soil **Sampled: 01/11/14 13:40** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/25/14 13:40 Please include TPH-G

Containers Supplied:

Client Sample ID#: FB-5@20

MTA Sample ID: 4A13072-19 Matrix: Soil **Sampled: 01/11/14 13:45** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/25/14 13:45 Please include TPH-G

Containers Supplied:

Released By	Date	Received By	Date
[signature]	1/20/14	[signature]	1/21/14 10:30 am
Released By	Date	Received By	Date

Please fax copy of receipt with your assigned sample ID number to (559) 268-0740

MOORE TWINING ASSOCIATES, INC.

SUBCONTRACT ORDER - Purchase Order # 19614

California ELAP Certification # 1371

MTA Project # 4A13072

Please reference these numbers on all reports and invoices:
We also request QC data be provided with final report.

0210 1/10/077

Sample Comments

Client Sample ID#: FB-5

MTA Sample ID: 4A13072-20 Matrix: Water **Sampled: 01/11/14 14:00** **Report Due to Client: 01/27/14**

Requested Analysis: TPH-D (C10-C28)	Holding time expires: 01/25/14 14:00	Please submit Chromatogram with data
Requested Analysis: TPH-D (SGT)	Holding time expires: 01/25/14 14:00	Please submit Chromatogram with data
Requested Analysis: TPH-MO - SGT (C14-C40)	Holding time expires: 01/25/14 14:00	Please submit Chromatogram with data
Requested Analysis: TPH-MO (C14-C40)	Holding time expires: 01/25/14 14:00	Please submit Chromatogram with data

Containers Supplied:

1L Amber Glass
Unpreserved (A)

*staddard solvent

Client Sample ID#: FB-8@5

MTA Sample ID: 4A13072-22 Matrix: Soil **Sampled: 01/12/14 10:45** **Report Due to Client: 01/27/14**

[redacted]

Containers Supplied:

Client Sample ID#: FB-8@10

MTA Sample ID: 4A13072-23 Matrix: Soil **Sampled: 01/12/14 10:50** **Report Due to Client: 01/27/14**

[redacted]

Containers Supplied:

Client Sample ID#: FB-8@15

MTA Sample ID: 4A13072-24 Matrix: Soil **Sampled: 01/12/14 10:55** **Report Due to Client: 01/27/14**

[redacted]

Containers Supplied:

Released By	Date	Received By	Date
[signature]	1/20/14	[signature]	10:30 am
Released By	Date	Received By	Date

Please fax copy of receipt with your assigned sample ID number to (559) 268-0740

MOORE TWINING ASSOCIATES, INC.

SUBCONTRACT ORDER - Purchase Order # 19614

California ELAP Certification # 1371

MTA Project # 4A13072

Please reference these numbers on all reports and invoices:
We also request QC data be provided with final report.

Sample Comments

Client Sample ID#: FB-8@18

MTA Sample ID: 4A13072-25 Matrix: Soil **Sampled: 01/12/14 11:00** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/26/14 11:00 Please include TPH-G

Containers Supplied:

Client Sample ID#: FB-9@5

MTA Sample ID: 4A13072-28 Matrix: Soil **Sampled: 01/12/14 09:20** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/26/14 09:20 Please include TPH-G

Containers Supplied:

Client Sample ID#: FB-9@10

MTA Sample ID: 4A13072-29 Matrix: Soil **Sampled: 01/12/14 09:30** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/26/14 09:30 Please include TPH-G

Containers Supplied:

*Please add TPH-D, MO (Stoddard Solvent)

Client Sample ID#: FB-9@15

MTA Sample ID: 4A13072-30 Matrix: Soil **Sampled: 01/12/14 09:40** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/26/14 09:40 Please include TPH-G

Containers Supplied:

*Please add TPH-D, MO (stoddard Solvent)

Client Sample ID#: FB-9@20

MTA Sample ID: 4A13072-32 Matrix: Soil **Sampled: 01/12/14 10:00** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/26/14 10:00 Please include TPH-G

Containers Supplied:

*please add TPH-D, MO (Stoddard Solvent)

Released By	Date	Received By	Date
[signature]	1/20/14	[signature] Lone	10:30 am
Released By	Date	Received By	Date

Please fax copy of receipt with your assigned sample ID number to (559) 268-0740

MOORE TWINING ASSOCIATES, INC.

SUBCONTRACT ORDER - Purchase Order # 19614

California ELAP Certification # 1371

MTA Project # 4A13072

Please reference these numbers on all reports and invoices:
We also request QC data be provided with final report.

H01077

Sample Comments

-0340

Client Sample ID#: FB-9

MTA Sample ID: 4A13072-33 Matrix: Water **Sampled: 01/12/14 11:45** **Report Due to Client: 01/27/14**

Requested Analysis: TPH-D (SGT)	Holding time expires: 01/26/14 11:45	Please submit Chromatogram with data
Requested Analysis: TPH-MO - SGT (C14-C40)	Holding time expires: 01/26/14 11:45	Please submit Chromatogram with data
Requested Analysis: TPH-MO (C14-C40)	Holding time expires: 01/26/14 11:45	Please submit Chromatogram with data
Requested Analysis: TPH-D (C10-C28)	Holding time expires: 01/26/14 11:45	Please submit Chromatogram with data

Containers Supplied:

1L Amber Glass
Unpreserved (B)

*stoddard solvent

Client Sample ID#: FB-10@2

MTA Sample ID: 4A13072-34 Matrix: Soil **Sampled: 01/12/14 14:30** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining — Holding time expires: 01/26/14 14:30 — Please include TPH-G

Containers Supplied:

*Please add TPH-D, MO (stoddard solvent)

Client Sample ID#: FB-10@10

MTA Sample ID: 4A13072-36 Matrix: Soil **Sampled: 01/12/14 14:40** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining — Holding time expires: 01/26/14 14:40 — Please include TPH-G

Containers Supplied:

*Please add TPH-D, MO (stoddard solvent)

Client Sample ID#: FB-10@18

MTA Sample ID: 4A13072-38 Matrix: Soil **Sampled: 01/12/14 14:55** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining — Holding time expires: 01/26/14 14:55 — Please include TPH-G

Containers Supplied:

*Please add TPH-D, MO (stoddard solvent)

Released By	Date	Received By	Date
[signature]	1/20/14	[signature]	10:30am 1/21/14
Released By	Date	Received By	Date

Please fax copy of receipt with your assigned sample ID number to (559) 268-0740

MOORE TWINING ASSOCIATES, INC. **SUBCONTRACT ORDER - Purchase Order #** 19614

California ELAP Certification # 1371

MTA Project # 4A13072

Please reference these numbers on all reports and invoices:
We also request QC data be provided with final report.

1401077

Sample Comments

Client Sample ID#: FB-10@20

MTA Sample ID: 4A13072-39 Matrix: Soil **Sampled: 01/12/14 15:00** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining — Holding time expires: 01/26/14 15:00 — Please include TPH-G

Containers Supplied:

*please add TPH-D, MO (stoddard solvent)

Client Sample ID#: FB-10

MTA Sample ID: 4A13072-40 Matrix: Water **Sampled: 01/12/14 15:30** **Report Due to Client: 01/27/14**

Requested Analysis: TPH-D (C10-C28)	Holding time expires: 01/26/14 15:30	Please submit Chromatogram with data
Requested Analysis: TPH-D (SGT)	Holding time expires: 01/26/14 15:30	Please submit Chromatogram with data
Requested Analysis: TPH-MO - SGT (C14-C40)	Holding time expires: 01/26/14 15:30	Please submit Chromatogram with data
Requested Analysis: TPH-MO (C14-C40)	Holding time expires: 01/26/14 15:30	Please submit Chromatogram with data

Containers Supplied:

1L Amber Glass
Unpreserved (C)

* stoddard solvent

Client Sample ID#: FB-12@2

MTA Sample ID: 4A13072-41 Matrix: Soil **Sampled: 01/12/14 12:40** **Report Due to Client: 01/27/14**

[redacted]

Containers Supplied:

Client Sample ID#: FB-12@10

MTA Sample ID: 4A13072-43 Matrix: Soil **Sampled: 01/12/14 12:50** **Report Due to Client: 01/27/14**

[redacted]

Containers Supplied:

Released By	Date	Received By	Date
[signature]	1/20/14	[signature]	10:30am
Released By	Date	Received By	Date

Please fax copy of receipt with your assigned sample ID number to (559) 268-0740

MOORE TWINING ASSOCIATES, INC.

SUBCONTRACT ORDER - Purchase Order # 19614

California ELAP Certification # 1371

MTA Project # 4A13072

Please reference these numbers on all reports and invoices:
We also request QC data be provided with final report.

Sample Comments

Client Sample ID#: FB-12@18

MTA Sample ID: 4A13072-45 Matrix: Soil **Sampled: 01/12/14 13:05** **Report Due to Client: 01/27/14**

[redacted]

Containers Supplied:

Released By	Date	Received By	Date
[signature]	1/20/14	[signature]	10:30 am
Released By	Date	Received By	Date

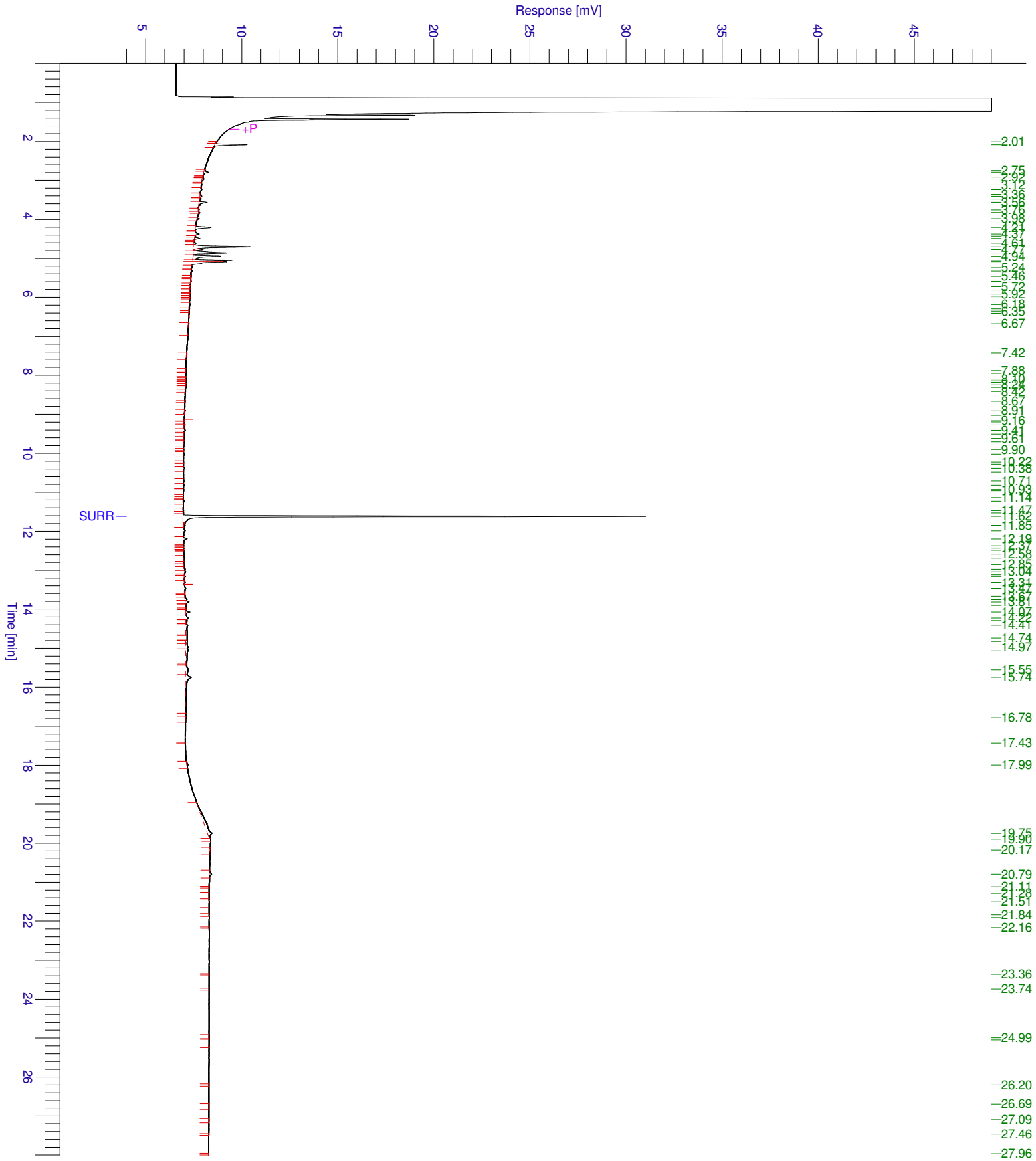
Please fax copy of receipt with your assigned sample ID number to (559) 268-0740

Chromatogram

Sample Name : TPHDW-C-1244 Sample #: 38

Diesel Water Method Blank

FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\012314A038.raw
Date : 2/7/2014 2:09:21 PM
Method : 010714TEPH.mth Time of Injection: 1/24/2014 8:06:29 PM
Start Time : 0.00 min End Time : 28.00 min Low Point : 4.00 mV High Point : 49.00 mV
Plot Offset: 4.00 mV Plot Scale: 45.0 mV

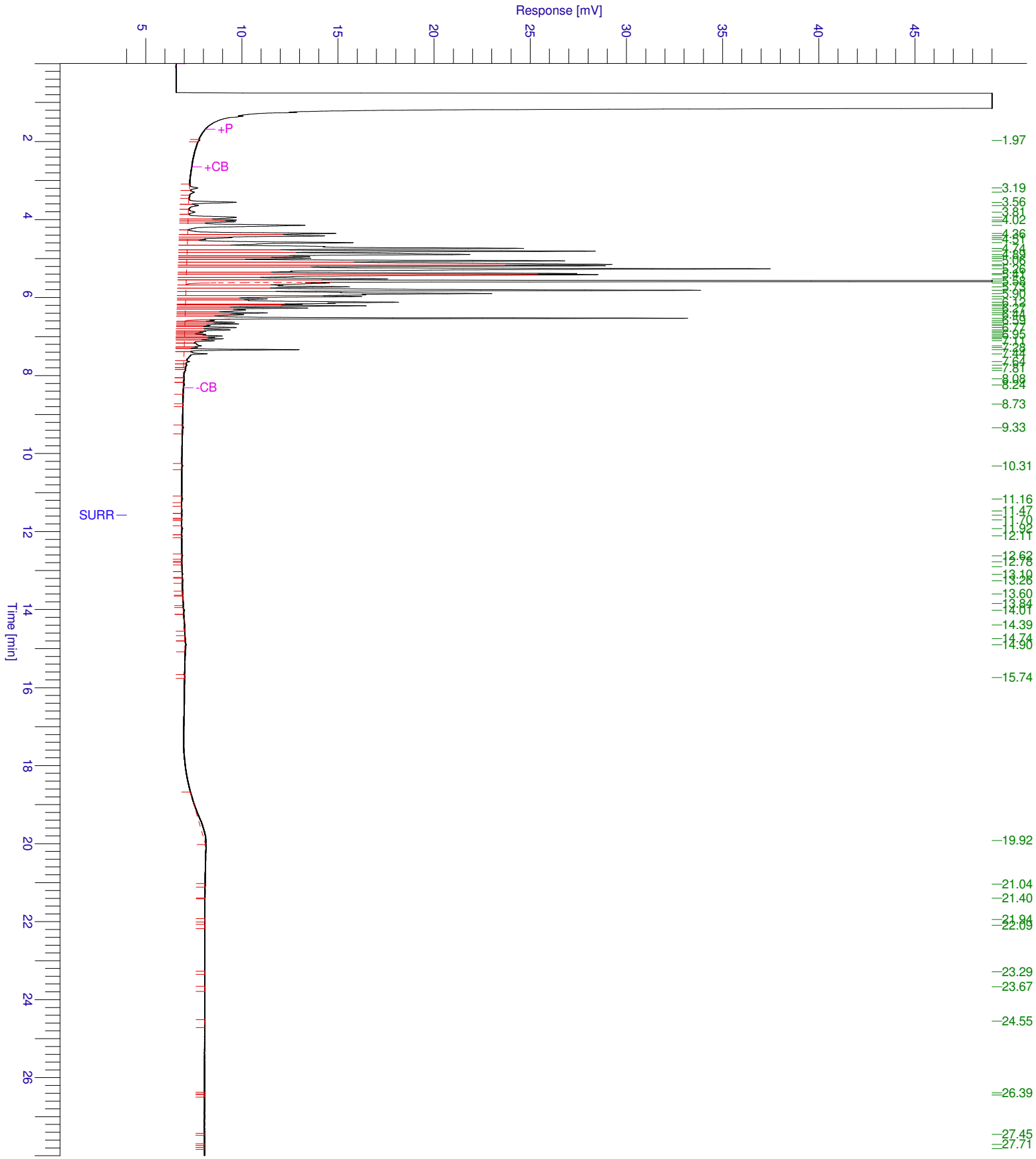


Chromatogram

Sample Name : 200 ppm Stoddard Solvent Std Sample #: 58 Page 1 of 1

1000 ppb Stoddard Solvent Std (Water Concentration)

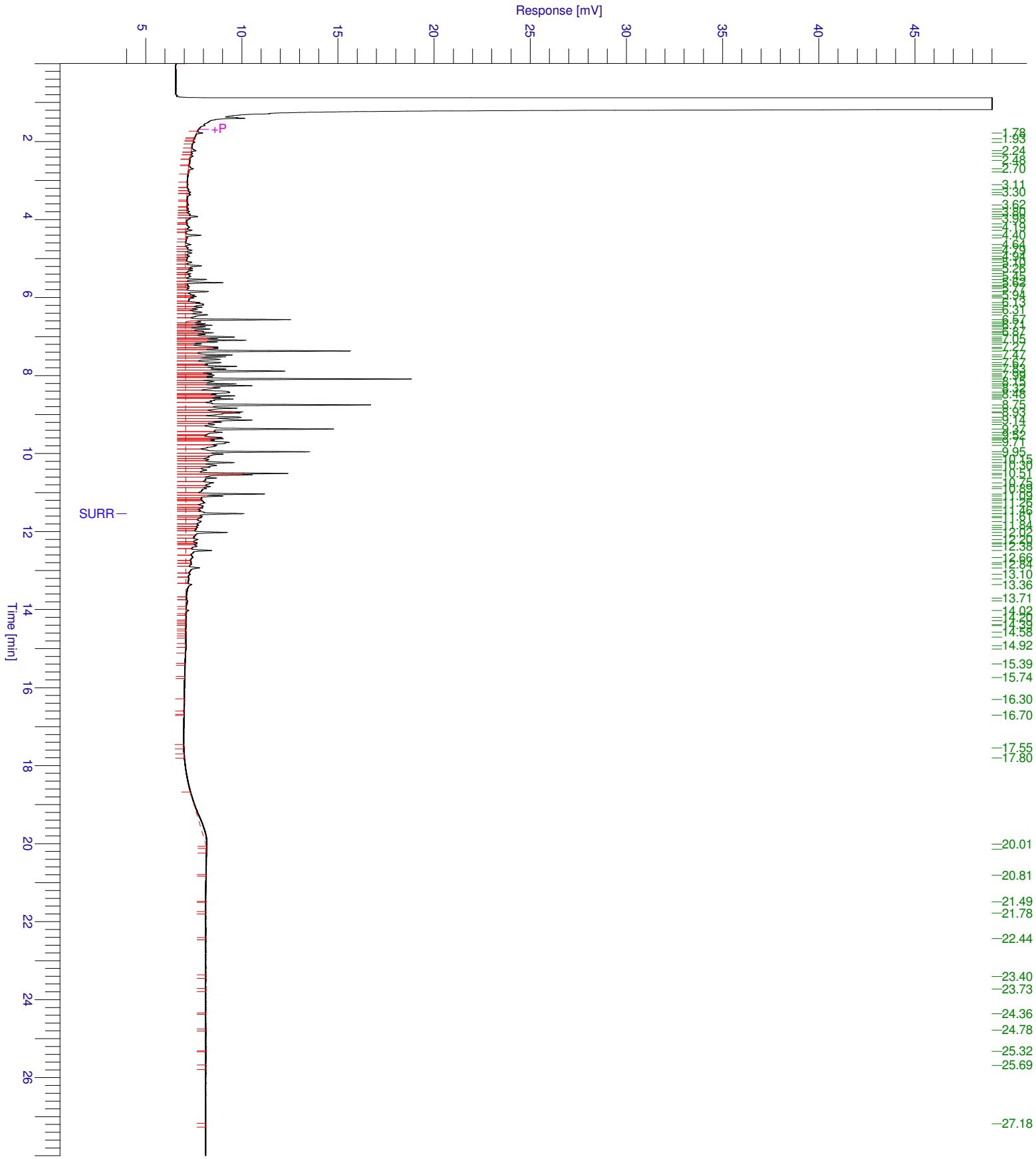
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\012314a058.raw
Date : 2/7/2014 2:07:27 PM
Method : 010714TEPH.mth Time of Injection: 1/25/2014 11:25:35 AM
Start Time : 0.00 min End Time : 28.00 min Low Point : 4.00 mV High Point : 49.00 mV
Plot Offset: 4.00 mV Plot Scale: 45.0 mV



Chromatogram

Sample Name : 100 ppm Diesel Std Sample #: 44 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\012314a044.raw
Date : 2/7/2014 2:06:42 PM
Method : 010714TEPH.mth Time of Injection: 1/25/2014 12:44:05 AM
Start Time : 0.00 min End Time : 28.00 min Low Point : 4.00 mV High Point : 49.00 mV
Plot Offset: 4.00 mV Plot Scale: 45.0 mV

500 ppb Diesel Standard (Water Concentration)

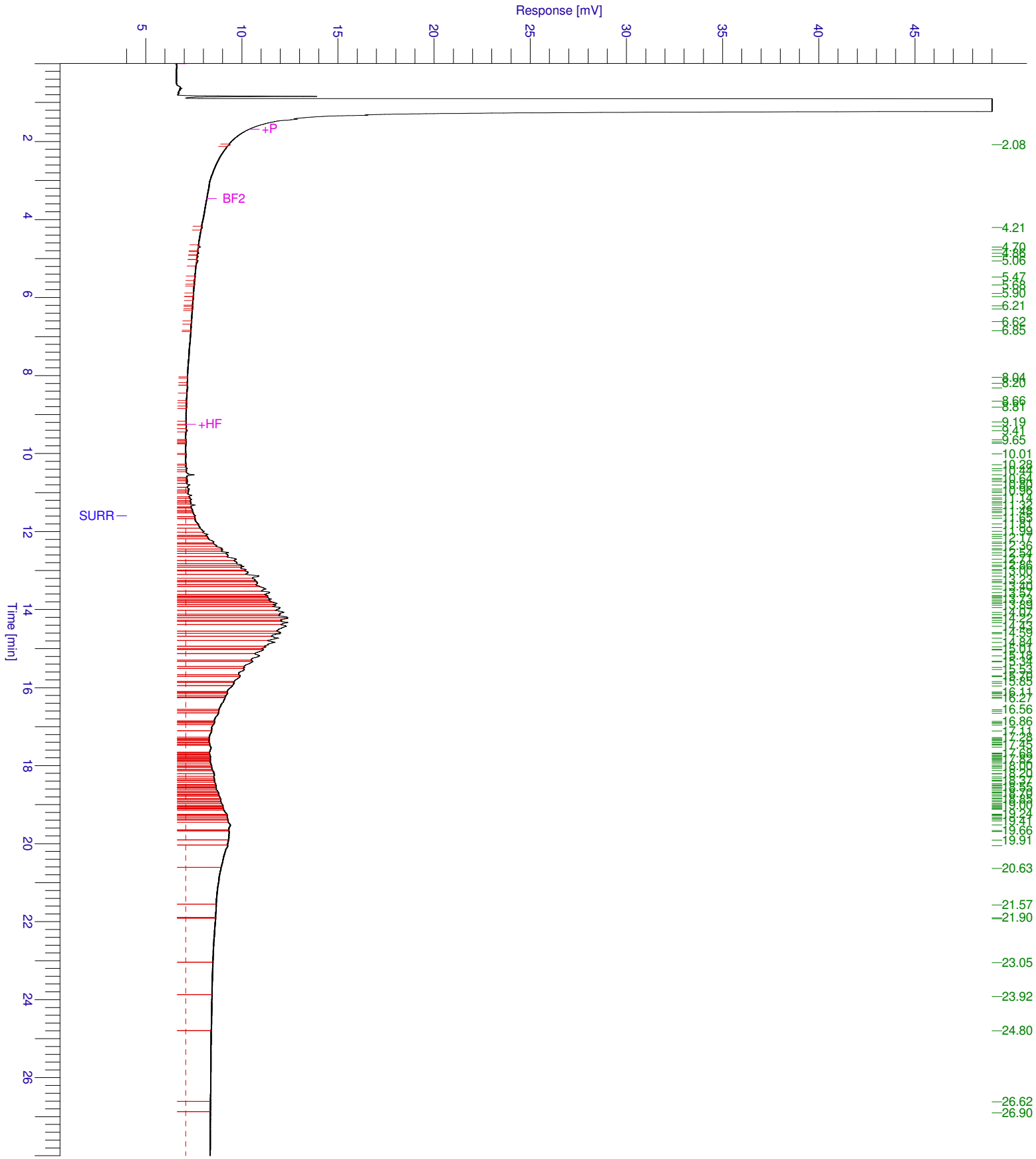


Chromatogram

Sample Name : 200 ppm Motor Oil Sample #: 37 Page 1 of 1

1000 ppb Motor Oil Standard (Water Concentration)

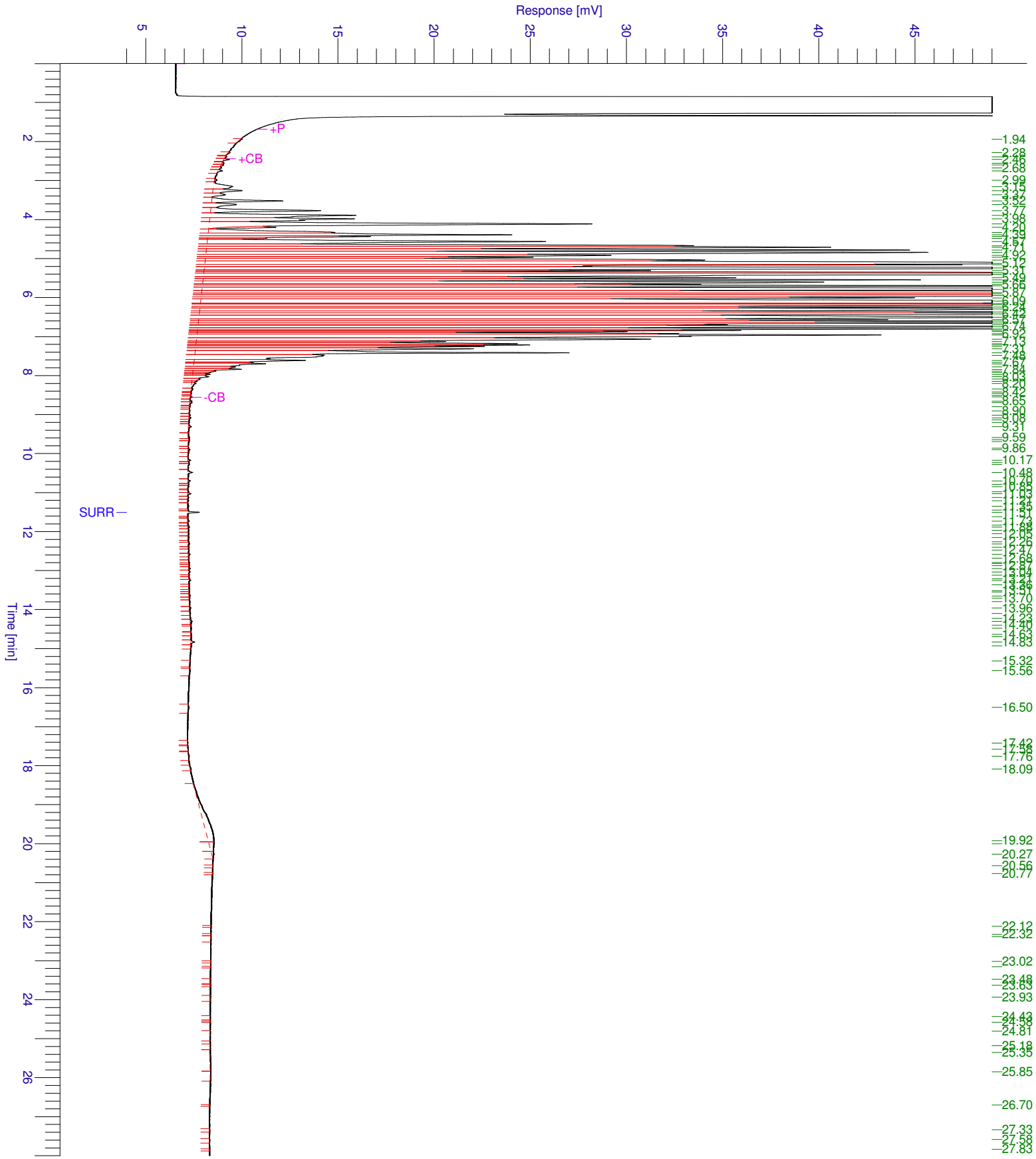
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\012314A037.raw
Date : 2/7/2014 2:08:42 PM
Method : 010714TEPH.mth Time of Injection: 1/24/2014 7:19:27 PM
Start Time : 0.00 min End Time : 28.00 min Low Point : 4.00 mV High Point : 49.00 mV
Plot Offset: 4.00 mV Plot Scale: 45.0 mV



Chromatogram

Sample Name : 1401077-01W DF 50 Sample #: 07 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\012914A043.raw
Date : 2/7/2014 2:11:42 PM
Method : 010714TEPH.mth Time of Injection: 1/31/2014 2:56:19 PM
Start Time : 0.00 min End Time : 28.00 min Low Point : 4.00 mV High Point : 49.00 mV
Plot Offset: 4.00 mV Plot Scale: 45.0 mV

FB-3 DF 50



Chromatogram

Sample Name : 1401077-02W DF 20 Sample #: 05 Page 1 of 1

FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\012914A005.raw

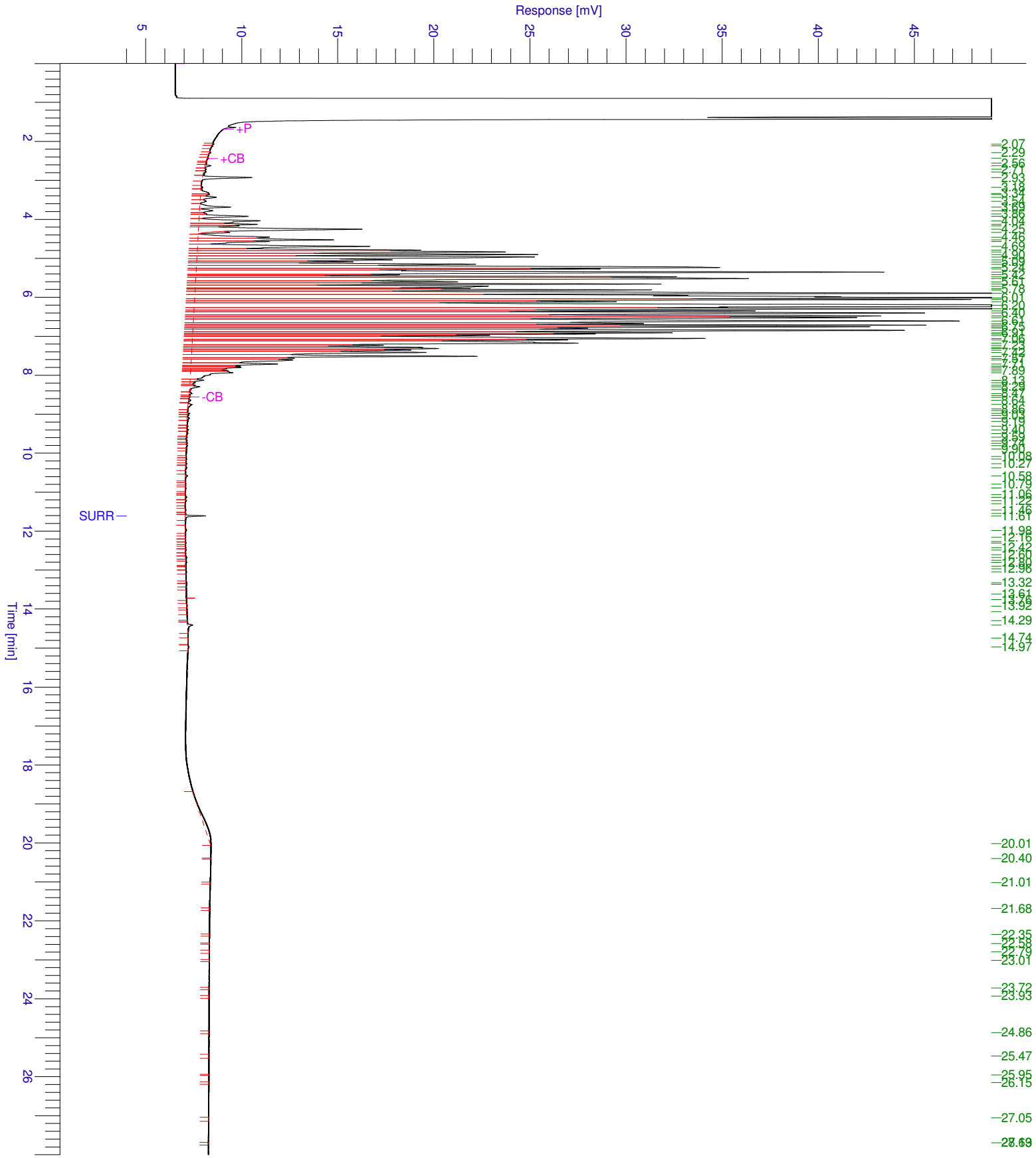
Date : 2/7/2014 2:12:35 PM

Method : 010714TEPH.mth Time of Injection: 1/29/2014 3:25:01 PM

Start Time : 0.00 min End Time : 28.00 min Low Point : 4.00 mV High Point : 49.00 mV

Plot Offset: 4.00 mV Plot Scale: 45.0 mV

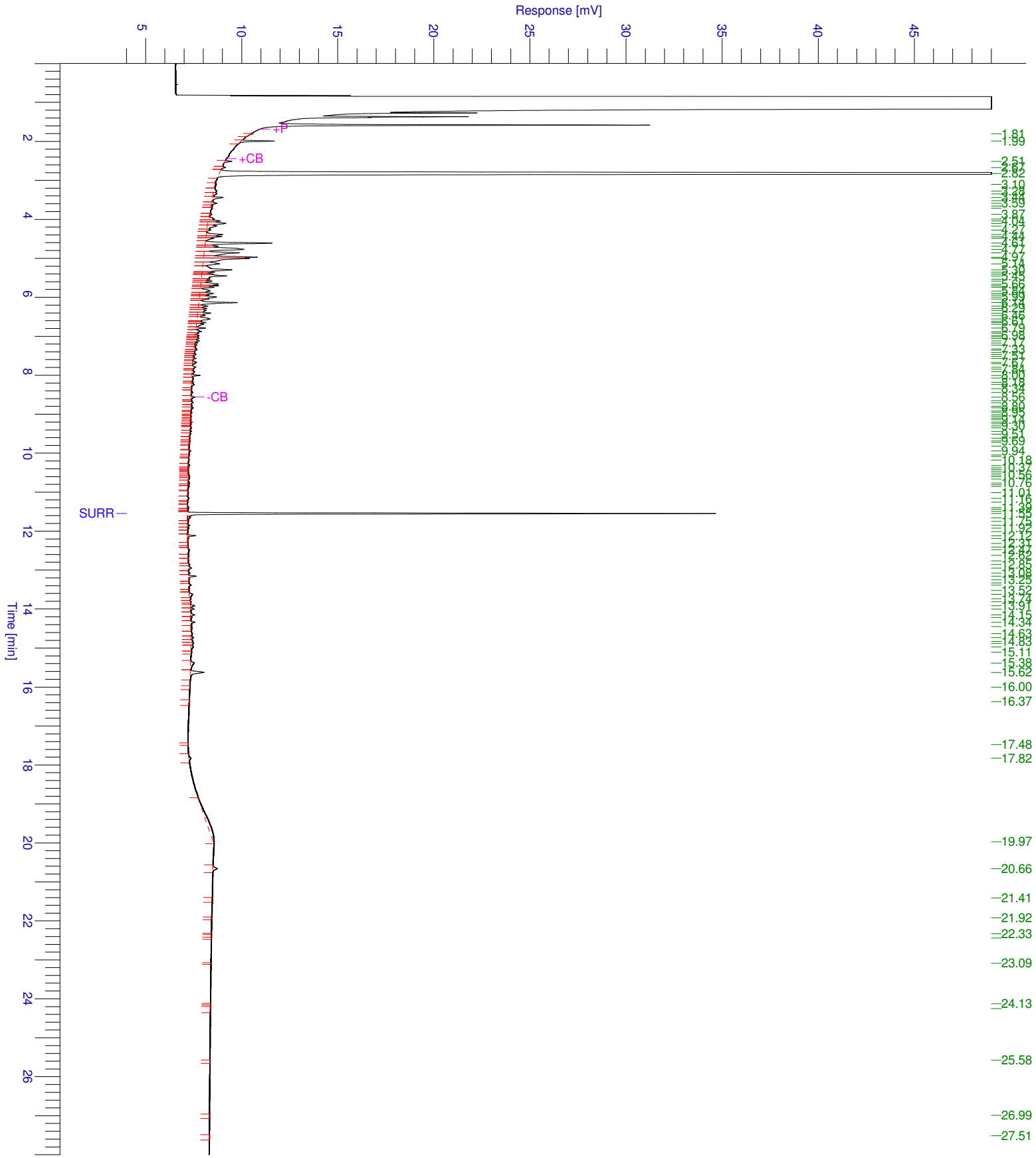
FB-5 DF 20



Chromatogram

Sample Name : 1401077-03W Sample #: 49 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\012314A049.raw
Date : 2/7/2014 2:14:07 PM
Method : 010714TEPH.mth Time of Injection: 1/25/2014 4:33:04 AM
Start Time : 0.00 min End Time : 28.00 min Low Point : 4.00 mV High Point : 49.00 mV
Plot Offset: 4.00 mV Plot Scale: 45.0 mV

FB-9

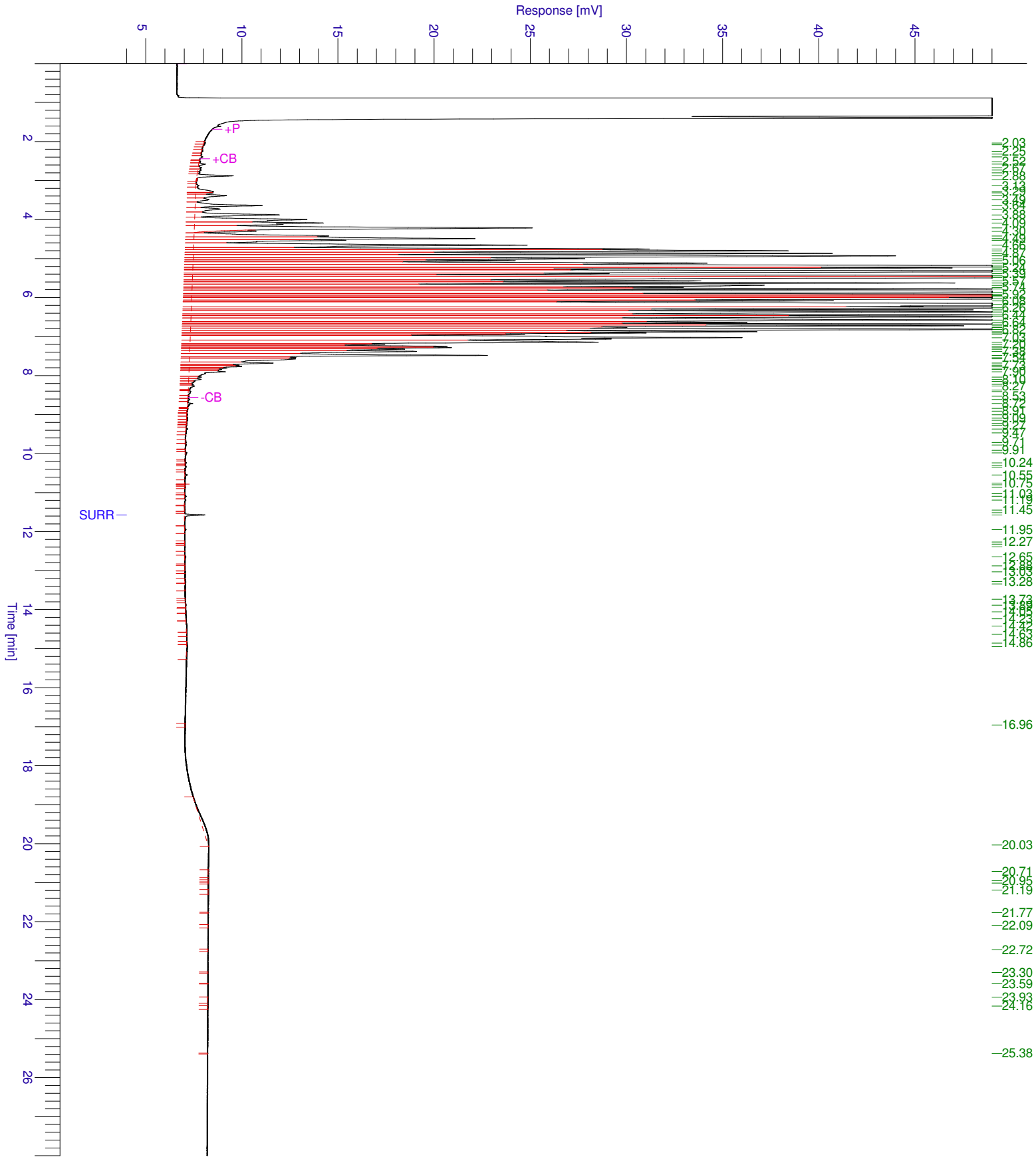


Chromatogram

Sample Name : 1401077-04W DF 20 Sample #: 07

FB-10 DF 20

FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\012914A007.raw
Date : 2/7/2014 2:14:40 PM
Method : 010714TEPH.mth Time of Injection: 1/29/2014 5:00:48 PM
Start Time : 0.00 min End Time : 28.00 min Low Point : 4.00 mV High Point : 49.00 mV
Plot Offset: 4.00 mV Plot Scale: 45.0 mV



PJ1048
4A13072

ES-F10 CHAIN OF CUSTODY

PROJECT NAME: Mercury Cleaners
PROJECT NO.: 04.72120008 ph 4 LAB: MTA
PROJECT CONTACT: MDANNA/JALEXANDER/KEMERY TURNAROUND: 10 day TAT
SAMPLED BY: VB

LABORATORY I.D. NUMBER	FIELD SAMPLE I.D.	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR	CONTAINERS: VOA	CONTAINERS: LITER	CONTAINERS: PINT	CONTAINERS: TUBE	PRESERVATIVE: HCL	PRESERVATIVE: H_2SO_4	PRESERVATIVE: HNO_3	PRESERVATIVE: ICE	PRESERVATIVE: OTHER	PRESERVATIVE: NONE	SAMPLING DATE: MONTH	DAY	YEAR	TIME	NOTES	TPH-g	TPH-d,mo w/ Si gel	TPH-d,mo w/o Si gel	VOC	SVOC			Hexa	EDF Reporting
1	FB-1 @ 2		X					X				X			01	11	14	0930								X	
2	FB-1 @ 5																	0935								X	
3	FB-1 @ 10																	0940		X	X	X					
4	FB-1 @ 15																	0955		X	X	X					
5	FB-1 @ 20		X					X				X			01	11	14	1015		X	X	X					
6	FB-1 @ 25		X					X				X			01	11	14	0946								X	
7	~~FB-1 @ 23~~		X					X				X			01	11	14	1020		not present						X	
7	FB-1	X			X	X			X			X		X	01	11	14	1215								X	

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
Van Bell			
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
Van Bell	1-13-14 1019	MTA	1/13/14 1731

COMMENTS & NOTES:
1) Some or all analysis will be tested per sample, analysis TBD.
2) TPHd,mo will be run with silica gel clean up and without

FUGRO WEST, INC.
1000 Broadway, Suite 440
Oakland, California 94607
Tel: 510.268.0461 Fax: 510.268.0545

Approved by Glenn Young, AC 62 Manager, Fugro West, Inc. 10/15/07.
Note: If this is a printed copy, please check the online QMS to ensure that it is the latest version.

4A13072

Pg 2 of 9

ES-F10 CHAIN OF CUSTODY

PROJECT NAME: Mercury Cleaners

PROJECT NO.: 04-7212000S ph 14 LAB: MTA

PROJECT CONTACT: JALEXANDER/KEMERY/MOHAN TURNAROUND: 10 day TAT

SAMPLED BY: VB

LABORATORY I.D. NUMBER	FIELD SAMPLE I.D.	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR	CONTAINERS: VOA	CONTAINERS: LITER	CONTAINERS: PINT	CONTAINERS: TUBE	PRESERVATIVE: HCL	PRESERVATIVE: H_2SO_4	PRESERVATIVE: HNO_3	PRESERVATIVE: ICE	PRESERVATIVE: OTHER	PRESERVATIVE: NONE	SAMPLING DATE: MONTH	DAY	YEAR	TIME	NOTES	TPH-g	TPH-d,mo w/ Si gel	TPH-d,mo w/o Si gel	VOC	SVOC	PH			HOLD	EDF Reporting
8	FB-3 @ 2		X					X				X			01	11	14	1100	1								X		
9	FB-3 @ 5																	1130									X		
10	FB-3 @ 10																	1135		X		X	X						
11	FB-3 @ 15																	1145		X		X	X	X					
12	FB-3 @ 18																	1150		X	X	X	X	X					
13	FB-3 @ 20		X					X				X			01	11	14	1200		X		X	X						
~~14~~																													
14 ~~15~~	FB-3	X			X	X			X			X		X	01	11	14	1230		X	X	X	X	X	X				

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
Vern Berg			
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
Vern Berg	1-13-14 1713	MTA	1/13/14 1713

COMMENTS & NOTES:

① Some or all analysis will be tested per sample analysis TBD

② TPHd,mo will be run with silica gel cleanup and without.

FUGRO WEST, INC.
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Approved by Glenn Young, AC 62 Manager, Fugro West, Inc. 10/15/07.
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ES-F10 CHAIN OF CUSTODY

PROJECT NAME: Mercury Cleaners
PROJECT NO.: 04.72120008 ph 14 LAB: MTA
PROJECT CONTACT: JALEXANDER/KEMERY/MDANNA TURNAROUND: 10 day TAT
SAMPLED BY: VB

LABORATORY I.D. NUMBER	FIELD SAMPLE I.D.	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR	CONTAINERS: VOA	CONTAINERS: LITER	CONTAINERS: PINT	CONTAINERS: TUBE	PRESERVATIVE: HCL	PRESERVATIVE: H_2SO_4	PRESERVATIVE: HNO_3	PRESERVATIVE: ICE	PRESERVATIVE: OTHER	PRESERVATIVE: NONE	SAMPLING DATE: MONTH	DAY	YEAR	TIME	NOTES	TPHg	TPHd/mo w/ Sigel	TPHd/mo w/o Sigel	VOC	SVOC				HOLD	EDF Reporting
15	FB-5@2		X					X				X			01	11	14	1255	1	X		X	X						
16	FB-5@5																	1300									X		
17	FB-5@10																	1315		X	X	X	X	X					
18	FB-5@15																	1340		X		X	X						
~~20~~ 19	FB-5@20		X					X				X			01	11	14	1345		X		X	X						
~~21~~ 13																													
20	FB-5	X			X	X			X			X		X	01	11	14	1400		X	X	X	X	X					

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
Van Bess			
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
Van Bess	1-13-14 1700	MTA	1/13/14 1715

COMMENTS & NOTES:
① Some or all analysis will be tested per sample analysis MRD
② TPHd/mo will be run with silica gel clean up and with out.

FUGRO WEST, INC.
1000 Broadway, Suite 440
Oakland, California 94607
Tel: 510.268.0461 Fax: 510.268.0545

Approved by Glenn Young, AC 62 Manager, Fugro West, Inc. 10/15/07.
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4A13072 Pg 2 of 9

ES-F10 CHAIN OF CUSTODY

PROJECT NAME: Mercury Cleaners
PROJECT NO.: 04.72120008 ph 14 LAB: MTA
PROJECT CONTACT: KEMERY/ALEXANDER/MDANNA TURNAROUND: 10 day TAT
SAMPLED BY: VB

LABORATORY I.D. NUMBER	FIELD SAMPLE I.D.	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR	CONTAINERS: VOA	CONTAINERS: LITER	CONTAINERS: PINT	CONTAINERS: TUBE	PRESERVATIVE: HCL	PRESERVATIVE: H_2SO_4	PRESERVATIVE: HNO_3	PRESERVATIVE: ICE	PRESERVATIVE: OTHER	PRESERVATIVE: NONE	SAMPLING DATE: MONTH	DAY	YEAR	TIME	NOTES	ANALYSIS REQUESTED: TPHg	TPHdyme w/ Sigel	TPHdyme w/o Sigel	VOC	SVOC			Hexcr	EDF Reporting
21 22	FB-8@2		X					X				X			01	11	14	0940									X	
22	FB-8@5																	1045		X		X						
23	FB-8@10																	1050		X		X						
24	FB-8@15																	1055		X		X						
25	FB-8@18																	1100		X		X						
1/3	~~FB-8@20~~		X					X				X			01	11	14	1115									X	
26	FB-8	X			X	X			X			X		X	01	11	14	1200				yes						

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
	1-13-14 1213	MTA	1/13/14 1713

COMMENTS & NOTES:
(1) Some or all analysis will be tested per sampler, analysis TBD
(2) TPHdyme will be run with silica gel cleanup and without

FUGRO WEST, INC.
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Approved by Glenn Young, AC 62 Manager, Fugro West, Inc. 10/15/07.
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4A13072

Pg 5 of 8

ES-F10 CHAIN OF CUSTODY

PROJECT NAME: Mercury Cleaners

PROJECT NO.: 04.7212000 8 ph 14 LAB: MTA

PROJECT CONTACT: MDANNA/KEMERY/JALEXANDER TURNAROUND: 10 day TAT

SAMPLED BY: UB

LABORATORY I.D. NUMBER	FIELD SAMPLE I.D.	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR	CONTAINERS: VOA	CONTAINERS: LITER	CONTAINERS: PINT	CONTAINERS: TUBE	PRESERVATIVE: HCL	PRESERVATIVE: H_2SO_4	PRESERVATIVE: HNO_3	PRESERVATIVE: ICE	PRESERVATIVE: OTHER	PRESERVATIVE: NONE	SAMPLING DATE: MONTH	DAY	YEAR	TIME	NOTES	TPHg	TPHd/mo w/ Si gel	TPHd/mo w/o Si gel	VOC	SVOC				HOLD	EDF Reporting
27	FB-9 @ 2		X					X				X			01	12	14	0915	①									X	
28	FB-9 @ 5																	0920											
29	FB-9 @ 10																	0930		X			X						
30	FB-9 @ 15																	0940		X	X	X	X	X					
31	FB-9 @ 18																	0950		X		X	X						
32	FB-9 @ 20		X					X				X			01	12	14	1000		X		X	X					X	
																		~~1040~~											
																		~~1000~~											
33	FB-9	X			X	X			X			X	X		01	12	14	1145		X	X	X	X	X					

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
	1-13-14 1215	MTA	1/13/14 1713

COMMENTS & NOTES:

① Some or all analysis will be tested per sample analysis TBD

② TPHd,mo will be run with silica gel clean up and without.

FUGRO WEST, INC.
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Oakland, California 94607
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Approved by Glenn Young, AC 62 Manager, Fugro West, Inc. 10/15/07.
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4A13072

Pg 6 of 9

ES-F10 CHAIN OF CUSTODY

PROJECT NAME: Mercury Cleaners

PROJECT NO.: 04.72120008 ph 14 LAB: MTA

PROJECT CONTACT: MDANNA/KEMERY/JALEXANDER TURNAROUND: 10 day TAT

SAMPLED BY: VB

LABORATORY I.D. NUMBER	FIELD SAMPLE I.D.	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR	CONTAINERS: VOA	CONTAINERS: LITER	CONTAINERS: PINT	CONTAINERS: TUBE	PRESERVATIVE: HCL	PRESERVATIVE: H_2SO_4	PRESERVATIVE: HNO_3	PRESERVATIVE: ICE	PRESERVATIVE: OTHER	PRESERVATIVE: NONE	SAMPLING DATE: MONTH	DAY	YEAR	TIME	NOTES	TPHg	TPHd/mo w/ Si gel	TPHd/mo w/o Si gel	VOC	SVOC			HOLD	EDF Reporting
~~3534~~	FB-10 @ 2		X					X				X			01	12	14	1430		X		X	X					
35	FB-10 @ 5																	1435									X	
36	FB-10 @ 10																	1440		X		X	X					
3 ~~3735~~	FB-10 @ 15																	1450									X	
38	FB-10 @ 18																	1455		X	X	X	X	X				
3 ~~3945~~	FB-10 @ 20		X					X				X			01	12	14	1500		X		X	X					
40	FB-10	X			X	X			X			X		X	01	12	14	1530		X	X	X	X	X		(HOT)		

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]			
[signature]	1-13-14 1713	[signature] MTA	1/13/14 1713

COMMENTS & NOTES:

① Some or all ~~sample~~ analysis will be tested per sample, analysis TBD.

② TPHd/mo will be run ~~w~~ with silica gel cleanup and without.

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4A13072

Pg 7 of 9

ES-F10 CHAIN OF CUSTODY

PROJECT NAME: Mercury Cleaners
PROJECT NO.: 04.72120008 ph 14 LAB: MTA
PROJECT CONTACT: MDALNA/KEMERY/ALEXANDER TURNAROUND: 10 days TAT
SAMPLED BY: VB

LABORATORY I.D. NUMBER	FIELD SAMPLE I.D.	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR	CONTAINERS: VOA	CONTAINERS: LITER	CONTAINERS: PINT	CONTAINERS: TUBE	PRESERVATIVE: HCL	PRESERVATIVE: H_2SO_4	PRESERVATIVE: HNO_3	PRESERVATIVE: ICE	PRESERVATIVE: OTHER	PRESERVATIVE: NONE	SAMPLING DATE: MONTH	DAY	YEAR	TIME	NOTES	ANALYSIS REQUESTED: TPH-g	TPH-d, mo w/ silica gel	TPH-d, mo w/o silica gel	VOC	SVOC				Lead	EDF Reporting
41	FB-12@2		X					X				X			01	12	14	1240		X		X	X						
42	FB-12@5																	1247										X	
43	FB-12@10																	1250		X		X	X						
44	FB-12@15																	1300										X	
45	FB-12@18																	1305		X		X	X						
46	FB-12@20		X					X				X			01	12	14	1310										X	
47	FB-12 6	X			X	X			X			X		X	01	12	14	1415					X						

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]		[signature]	1-12-14 1630
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]	1-13-14 1713	[signature] MTA	1/13/14 1713

COMMENTS & NOTES:
① Some or all analysis will be tested per sample analysis TBD
TPHd, mo will be run with silica gel clean up and without.

FUGRO WEST, INC.
1000 Broadway, Suite 440
Oakland, California 94607
Tel: 510.268.0461 Fax: 510.268.0545

Approved by Glenn Young, AC 62 Manager, Fugro West, Inc. 10/15/07.
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Moore Twining Associates, Inc.

Sample Integrity Page 7 of 8 WO# 4A13072 Date Received: 1/13/14

Section 1-Sampled Same Day

Sample Transport: Walk In MTA Courier Transported In: Ice Chest Box Hand

Has Chilling Begun? Yes No

Section 2-Sampled Previously

Sample Transport: Walk-in UPS GSO Fed Ex MTA Courier Other:

No. Coolers/Ice Chests: 1 Temperature(s): 0.3

Was Temperature In Range: Y or N Received On Ice: Wet Blue

Describe type of packing materials: Bubble Wrap Foam Packing Peanuts Paper Other:

Were ice chest custody seals present? Y or N Intact? Y or N

Section 3-COC Info.

	Completed				Completed	
	Yes	No			Yes	No
Was COC Received	✓		Analysis Requested		✓	
Date Sampled	✓		Any hold times less than 72hr			✓
Time Sampled	✓		Client Name		✓	
Sample ID	✓		Address		✓	
Special Storage/Handling Ins.		✓	Telephone #		✓	

Section 4-Bottles/Analysis

	Yes	No	N/A	Comment
Did all bottles arrive unbroken and intact?	✓			
Were bottle custody seals present?			✓	
Were bottle custody seals intact?			✓	
Did all bottle labels agree with COC?	✓			
Were correct containers used for the tests requested?	✓			
Was sufficient amount of sample sent for tests indicated?	✓			
Were bubbles present in VOA Vials? (Volatiles Methods Only)			✓	
Were Ascorbic Acid Bottles Received with VOAs?			✓	

Section 5-Comment/Discrepancies

Sample(s) Split/Preserve: Yes or No Container: VOA Preservation: Initials:

Filtered: Yes No Container: Preservation: Initials:

Was Client Service Supervisor notified of discrepancies: Yes or No N/A Notified by:

Explanations/Comments:

Labeled by: JB Checked by:

FL-SC-0003-02

Moore Twining Associates, Inc.

Sample Integrity

Page 9 of 9 WO# 4A13072 MTA Bottles: Yes or No NB

Plastic 125mL (A) Plastic 250mL (B) Plastic 1L (C) Amber Glass (AG)

Sample(s) Received	1-6	7	8-13	14	15-19	20	21-25	26	27-32	33	35-40	41	42-47	48
Bacti 100mL Thiosulfate														
None Preserved Plastic														
HNO3 Plastic														
H2SO4 Plastic														
NaOH Plastic														
300mL DO Bottle														
Other														
Client Own														
1L Plastic NaOH/ZnAc														
250mL (AG) None														
250mL (AG) H2SO4														
250mL (AG) Thio 547, 548														
250mL (AG) Other														
500mL Clear Glass None														
1L (AG) None														
1L (AG) HCl		3		3		3		3		3		3		3
1L (AG) Thio 525, 515														
40mL (AG VOA) Thio + K Citrate 531.2														
40mL VOA Vial - HCl		4		4		4		4		4		4		4
40mL VOA Vial - None														
40mL VOA Vial - H3PO4														
40mL VOA Vial (AG) - thio (THM)														
40mL VOA Vial - Na2SO3 (thio)														
Soil Jar Clear Glass 125mL 250mL 500mL														
THM 40mL VOA None														
Plastic Bag														
Soil Tube														
Tedlar Bags	1		1		1		1		1		1			1
Asbestos 1L Plastic														
Gross Alpha/Beta 1L HNO3 each														
Radiological 226/228 1L HNO3 each														
Radon														
Low Level Hg/Metals Double Bag														

FL-SC-0003-02 b

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

February 24, 2014

Work Order #: 4A13071

Keith Mayes
MTA Environmental Division
2527 Fresno Street
Fresno, CA 93721

RE: Fugro West - Mercury Cleaners

Enclosed are the analytical results for samples received by our laboratory on 01/13/14 . For your reference, these analyses have been assigned laboratory work order number 4A13071 .

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

Moore Twining Associates, Inc.

Julio Morales
Client Services Supervisor

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FB-14@5	4A13071-01	Soil	01/11/14 13:09	01/13/14 17:12
FB-14@10	4A13071-02	Soil	01/11/14 13:19	01/13/14 17:12
FB-14@15	4A13071-03	Soil	01/11/14 13:24	01/13/14 17:12
FB-14@20	4A13071-04	Soil	01/11/14 13:45	01/13/14 17:12
FB-14	4A13071-06	Water	01/11/14 14:25	01/13/14 17:12
FB-17@5	4A13071-08	Soil	01/12/14 08:32	01/13/14 17:12
FB-17@15	4A13071-10	Soil	01/12/14 08:44	01/13/14 17:12
FB-17@20	4A13071-11	Soil	01/12/14 09:43	01/13/14 17:12
FB-17	4A13071-13	Water	01/12/14 09:23	01/13/14 17:12
FB-18@0.5	4A13071-14	Soil	01/12/14 09:46	01/13/14 17:12
FB-18@5	4A13071-15	Soil	01/12/14 09:50	01/13/14 17:12
FB-18@10	4A13071-16	Soil	01/12/14 09:56	01/13/14 17:12
FB-18@20	4A13071-18	Soil	01/12/14 10:18	01/13/14 17:12
FB-18	4A13071-20	Water	01/12/14 10:38	01/13/14 17:12
FB-22@15	4A13071-23	Soil	01/11/14 11:35	01/13/14 17:12
FB-22@15.5	4A13071-24	Soil	01/11/14 11:57	01/13/14 17:12
FB-22@18	4A13071-25	Soil	01/11/14 12:16	01/13/14 17:12
FB-22	4A13071-28	Water	01/11/14 12:00	01/13/14 17:12
FB-26@5	4A13071-30	Soil	01/12/14 11:13	01/13/14 17:12
FB-26@15	4A13071-32	Soil	01/12/14 11:20	01/13/14 17:12
FB-26@20	4A13071-33	Soil	01/12/14 11:33	01/13/14 17:12
FB-26	4A13071-35	Water	01/12/14 12:10	01/13/14 17:12

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/24/14 13:09

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/24/14 13:09

FB-14@5

4A13071-01 (Soil) Sampled:01/11/14 13:09

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Diesel		ND	10	mg/kg	1	T4A1504	01/15/14	01/24/14	EPA 8015B
Surrogate: o-Terphenyl		*51.5 %*	*11.8-130*			*T4A1504*	*01/15/14*	*01/24/14*	*EPA 8015B*
Motor Oil		**19**	10	mg/kg	1	T4A1505	01/15/14	01/24/14	EPA 8015B
Semi-Volatile Organics - Silica Gel Treated									
Motor Oil		**17**	10	mg/kg	1	T4A1505	01/15/14	01/24/14	EPA 8015B
Volatile Organics									
Gasoline	HT	ND	1.0	mg/kg	1	U4B1419	02/14/14	02/14/14	EPA 8015B
Surrogate: 4-Bromofluorobenzene (FID)		*107 %*	*75-125*			*U4B1419*	*02/14/14*	*02/14/14*	*EPA 8015B*

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-14@10

4A13071-02 (Soil) Sampled:01/11/14 13:19

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
N-Nitrosodimethylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosomethylethylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Methyl Methanesulfonate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosodiethylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Ethyl Methanesulfonate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Phenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Bis(2-chloroethyl)ether		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Chlorophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,4-Dichlorobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzyl alcohol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Bis(2-chloroisopropyl)ether		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Methylphenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Acetophenone		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosopyrrolidine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Hexachloroethane		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
o-Toluidine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Methylphenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosodi-n-propylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Nitrobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosopiperidine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Isophorone		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Nitrophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4-Dimethylphenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Bis(2-chloroethoxy)methane		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4-Dichlorophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,2,4-Trichlorobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzoic acid		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Safrole		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,6-Dichlorophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosodi-n-butylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Chloro-3-methylphenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Methylnaphthalene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C

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2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-14@10

4A13071-02 (Soil) Sampled:01/11/14 13:19

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Hexachlorocyclopentadiene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4,5-Trichlorophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4,6-Trichlorophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Chloronaphthalene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Nitroaniline		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,4-Naphthoquinone		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Dimethyl phthalate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Acenaphthylene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,3-Dinitrobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,6-Dinitrotoluene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
3-Nitroaniline		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
5-Nitro-o-toluidine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,2-Diphenylhydrazine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Acenaphthene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4-Dinitrophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pentachlorobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Nitrophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1-Naphthylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4-Dinitrotoluene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Naphthylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,3,4,6-Tetrachlorophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Fluorene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Diethyl phthalate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Chlorophenyl phenyl ether		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Methapyrilene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Nitroaniline		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Aminobiphenyl		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Diphenylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzidine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosodiphenylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4,6-Dinitro-2-methylphenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Phenacetin		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C

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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-14@10

4A13071-02 (Soil) Sampled:01/11/14 13:19

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Pentachloronitrobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Bromophenyl phenyl ether		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Hexachlorobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pentachlorophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Phenanthrene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Anthracene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Di-n-butyl phthalate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Fluoranthene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pyrene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
p-Dimethylaminoazobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
3,3´-Dimethylbenzidine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Butyl benzyl phthalate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Acetylaminofluorene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo (a) anthracene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Chrysene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Bis(2-ethylhexyl) phthalate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Di-n-octyl phthalate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
7,12-Dimethylbenz(a)anthracene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo (b) fluoranthene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo (k) fluoranthene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo (a) pyrene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
3,3'-Dichlorobenzidine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
3-Methylcholanthrene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Indeno(1,2,3-cd)pyrene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Dibenzo(a,h)anthracene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo(ghi)perylene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
O,O,O-Triethyl phosphorothioate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pronamide		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Surrogate: 2-Fluorophenol	S02	*12.8 %*	*22-92*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: Phenol-d5		*34.5 %*	*10-94*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: Nitrobenzene-d5	S02	*7.74 %*	*41-110*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: 2-Fluorobiphenyl	S02	*7.60 %*	*40-92*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: 2,4,6-Tribromophenol	S02	*22.5 %*	*49-138*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*

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Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-14@10

4A13071-02 (Soil) Sampled:01/11/14 13:19

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Surrogate: d14-Terphenyl	S02	*41.2 %*	*44-131*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Diesel		ND	10	mg/kg	1	T4A1504	01/15/14	01/24/14	EPA 8015B
Surrogate: o-Terphenyl		*58.8 %*	*11.8-130*			*T4A1504*	*01/15/14*	*01/24/14*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	T4A1505	01/15/14	01/24/14	EPA 8015B

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Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-14@15

4A13071-03 (Soil) Sampled:01/11/14 13:24

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Diesel		ND	10	mg/kg	1	T4A1504	01/15/14	01/24/14	EPA 8015B
Surrogate: o-Terphenyl		*70.1 %*	*11.8-130*			*T4A1504*	*01/15/14*	*01/24/14*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	T4A1505	01/15/14	01/24/14	EPA 8015B
Semi-Volatile Organics - Silica Gel Treated									
Diesel (SGT)		ND	10	mg/kg	1	T4A1504	01/15/14	01/24/14	EPA 8015B
Surrogate: o-Terphenyl		*74.3 %*	*11.8-130*			*T4A1504*	*01/15/14*	*01/24/14*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	T4A1505	01/15/14	01/24/14	EPA 8015B
Volatile Organics									
Gasoline	HT	ND	1.0	mg/kg	1	U4B1419	02/14/14	02/14/14	EPA 8015B
Surrogate: 4-Bromofluorobenzene (FID)		*111 %*	*75-125*			*U4B1419*	*02/14/14*	*02/14/14*	*EPA 8015B*

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MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/24/14 13:09

FB-14@20

4A13071-04 (Soil) Sampled:01/11/14 13:45

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Diesel		ND	10	mg/kg	1	T4A1504	01/15/14	01/24/14	EPA 8015B
Surrogate: o-Terphenyl		*67.6 %*	*11.8-130*			*T4A1504*	*01/15/14*	*01/24/14*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	T4A1505	01/15/14	01/24/14	EPA 8015B
Volatile Organics									
Gasoline	HT	ND	1.0	mg/kg	1	U4B1419	02/14/14	02/14/14	EPA 8015B
Surrogate: 4-Bromofluorobenzene (FID)		*111 %*	*75-125*			*U4B1419*	*02/14/14*	*02/14/14*	*EPA 8015B*

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Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-14

4A13071-06 (Water) Sampled:01/11/14 14:25

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Inorganics									
pH	HT2	**7.3**	0.10	pH Units	1	T4A1418	01/14/14	01/14/14	SM4500-H B
Semi-Volatile Organics									
N-Nitrosodimethylamine		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Aniline		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Phenol		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Bis(2-chloroethyl)ether		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Chlorophenol		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
1,3-Dichlorobenzene		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
1,4-Dichlorobenzene		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
1,2-Dichlorobenzene		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzyl alcohol		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Bis(2-chloroisopropyl)ether		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Methylphenol		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Hexachloroethane		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Methylphenol		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
N-Nitrosodi-n-propylamine		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Nitrobenzene		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Isophorone		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Nitrophenol		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4-Dimethylphenol		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Bis(2-chloroethoxy)methane		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4-Dichlorophenol		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
1,2,4-Trichlorobenzene		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Naphthalene		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzoic acid		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Chloroaniline		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,6-Dichlorophenol		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Hexachlorobutadiene		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Chloro-3-methylphenol		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Methylnaphthalene		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Hexachlorocyclopentadiene		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4,5-Trichlorophenol		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-14

4A13071-06 (Water) Sampled:01/11/14 14:25

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
2,4,6-Trichlorophenol		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Chloronaphthalene		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Nitroaniline		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Dimethyl phthalate		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Acenaphthylene		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,6-Dinitrotoluene		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
3-Nitroaniline		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Acenaphthene		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4-Dinitrophenol		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Dibenzofuran		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Nitrophenol		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4-Dinitrotoluene		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Fluorene		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Diethyl phthalate		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Chlorophenyl phenyl ether		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Nitroaniline		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
1,2-Diphenylhydrazine		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzidine		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
N-Nitrosodiphenylamine		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4,6-Dinitro-2-methylphenol		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Bromophenyl phenyl ether		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Hexachlorobenzene		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Pentachlorophenol		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Phenanthrene		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Anthracene		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Di-n-butyl phthalate		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Fluoranthene		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Pyrene		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Butyl benzyl phthalate		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzo (a) anthracene		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Chrysene		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Bis(2-ethylhexyl) phthalate		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C

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2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-14

4A13071-06 (Water) Sampled:01/11/14 14:25

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Di-n-octyl phthalate		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
7,12-Dimethylbenz(a)anthracene		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzo (b) fluoranthene		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzo (k) fluoranthene		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzo (a) pyrene		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
3,3'-Dichlorobenzidine		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Indeno(1,2,3-cd)pyrene		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Dibenzo(a,h)anthracene		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzo(ghi)perylene		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
alpha-BHC		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
beta-BHC		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
gamma-BHC (Lindane)		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
delta-BHC		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Heptachlor		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Heptachlor epoxide		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Aldrin		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Endosulfan I		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4,4´-DDE		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Endosulfan II		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4,4´-DDD		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4,4´-DDT		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Dieldrin		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Endrin aldehyde		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Endosulfan sulfate		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Endrin		ND	6.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Surrogate: 2-Fluorophenol		*47.8 %*	*22-92*			*T4A1801*	*01/18/14*	*01/24/14*	*EPA 8270C*
Surrogate: Phenol-d5		*33.6 %*	*10-94*			*T4A1801*	*01/18/14*	*01/24/14*	*EPA 8270C*
Surrogate: Nitrobenzene-d5		*74.1 %*	*41-110*			*T4A1801*	*01/18/14*	*01/24/14*	*EPA 8270C*
Surrogate: 2-Fluorobiphenyl		*73.9 %*	*40-92*			*T4A1801*	*01/18/14*	*01/24/14*	*EPA 8270C*
Surrogate: 2,4,6-Tribromophenol		*65.9 %*	*49-138*			*T4A1801*	*01/18/14*	*01/24/14*	*EPA 8270C*
Surrogate: d14-Terphenyl		*69.7 %*	*44-131*			*T4A1801*	*01/18/14*	*01/24/14*	*EPA 8270C*
Volatile Organics									

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Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-14

4A13071-06 (Water) Sampled:01/11/14 14:25

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Dichlorodifluoromethane (CFC-12)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Vinyl chloride		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromomethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethanol		ND	50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1-Dichloroethene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Carbon disulfide		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Iodomethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acrolein		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methylene chloride		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acetone		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
trans-1,2-Dichloroethene		**0.76**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
tert-Butyl alcohol (TBA)		ND	20	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acetonitrile		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1-Dichloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acrylonitrile		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Vinyl acetate		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
cis-1,2-Dichloroethene		**98**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2,2-Dichloropropane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromochloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chloroform		**2.0**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Carbon tetrachloride		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Butanone (MEK)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1-Dichloropropene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Isobutyl alcohol		ND	20	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Propionitrile		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B

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Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-14

4A13071-06 (Water) Sampled:01/11/14 14:25

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Tert-Amyl Methyl Ether (TAME)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Benzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methacrylonitrile		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Trichloroethene (TCE)		**31**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Dibromomethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dichloropropane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromodichloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methyl Methacrylate		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Chloroethylvinyl ether		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
cis-1,3-Dichloropropene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Toluene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
trans-1,3-Dichloropropene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Tetrachloroethene (PCE)		**220**	1.0	µg/L	2	T4A1411	01/14/14	01/15/14	EPA 8260B
1,1,2-Trichloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethyl methacrylate		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Dibromochloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,3-Dichloropropane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Hexanone		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethylbenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1,1,2-Tetrachloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
m,p-Xylene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
o-Xylene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Styrene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromoform		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Isopropylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
n-Propylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B

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Project Number: 04-72120008 ph14
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Reported:
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FB-14

4A13071-06 (Water) Sampled:01/11/14 14:25

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
1,3,5-Trimethylbenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Chlorotoluene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
4-Chlorotoluene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
tert-Butylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,4-Trimethylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
sec-Butylbenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
p-Isopropyltoluene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,3-Dichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,4-Dichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
n-Butylbenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Hexachloroethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,4-Trichlorobenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Hexachlorobutadiene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Naphthalene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Xylenes		ND	2.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Surrogate: 4-Bromofluorobenzene		*100 %*	*70-130*			*T4A1411*	*01/14/14*	*01/14/14*	*EPA 8260B*
Surrogate: Dibromofluoromethane		*83.2 %*	*70-130*			*T4A1411*	*01/14/14*	*01/14/14*	*EPA 8260B*
Surrogate: Toluene-d8		*106 %*	*70-130*			*T4A1411*	*01/14/14*	*01/14/14*	*EPA 8260B*
Gasoline	A1	**110**	50	µg/L	1	T4A1614	01/16/14	01/16/14	EPA 8015B
Surrogate: 4-Bromofluorobenzene (FID)		*110 %*	*75-125*			*T4A1614*	*01/16/14*	*01/16/14*	*EPA 8015B*

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-17@5

4A13071-08 (Soil) Sampled:01/12/14 08:32

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Diesel		ND	10	mg/kg	1	T4A1504	01/15/14	01/24/14	EPA 8015B
Surrogate: o-Terphenyl		*86.0 %*	*11.8-130*			*T4A1504*	*01/15/14*	*01/24/14*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	T4A1505	01/15/14	01/24/14	EPA 8015B

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MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/24/14 13:09

FB-17@15

4A13071-10 (Soil) Sampled:01/12/14 08:44

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Diesel		ND	10	mg/kg	1	T4A1504	01/15/14	01/24/14	EPA 8015B
Surrogate: o-Terphenyl		*67.6 %*	*11.8-130*			*T4A1504*	*01/15/14*	*01/24/14*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	T4A1505	01/15/14	01/24/14	EPA 8015B
Semi-Volatile Organics - Silica Gel Treated									
Diesel (SGT)		ND	10	mg/kg	1	T4A1504	01/15/14	01/24/14	EPA 8015B
Surrogate: o-Terphenyl		*67.8 %*	*11.8-130*			*T4A1504*	*01/15/14*	*01/24/14*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	T4A1505	01/15/14	01/24/14	EPA 8015B

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2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-17@20

4A13071-11 (Soil) Sampled:01/12/14 09:43

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Diesel		ND	10	mg/kg	1	T4A1504	01/15/14	01/25/14	EPA 8015B
Surrogate: o-Terphenyl		*54.3 %*	*11.8-130*			*T4A1504*	*01/15/14*	*01/25/14*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	T4A1505	01/15/14	01/25/14	EPA 8015B
Volatile Organics									
Gasoline	HT	ND	1.0	mg/kg	1	U4B1419	02/14/14	02/14/14	EPA 8015B
Surrogate: 4-Bromofluorobenzene (FID)		*112 %*	*75-125*			*U4B1419*	*02/14/14*	*02/14/14*	*EPA 8015B*

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2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-17

4A13071-13 (Water) Sampled:01/12/14 09:23

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Inorganics									
pH	HT	**7.2**	0.10	pH Units	1	T4A1418	01/14/14	01/14/14	SM4500-H B
Semi-Volatile Organics									
N-Nitrosodimethylamine		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Aniline		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Phenol		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Bis(2-chloroethyl)ether		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Chlorophenol		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
1,3-Dichlorobenzene		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
1,4-Dichlorobenzene		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
1,2-Dichlorobenzene		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzyl alcohol		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Bis(2-chloroisopropyl)ether		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Methylphenol		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Hexachloroethane		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Methylphenol		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
N-Nitrosodi-n-propylamine		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Nitrobenzene		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Isophorone		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Nitrophenol		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4-Dimethylphenol		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Bis(2-chloroethoxy)methane		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4-Dichlorophenol		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
1,2,4-Trichlorobenzene		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Naphthalene		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzoic acid		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Chloroaniline		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,6-Dichlorophenol		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Hexachlorobutadiene		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Chloro-3-methylphenol		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Methylnaphthalene		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Hexachlorocyclopentadiene		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4,5-Trichlorophenol		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C

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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-17

4A13071-13 (Water) Sampled:01/12/14 09:23

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
2,4,6-Trichlorophenol		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Chloronaphthalene		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Nitroaniline		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Dimethyl phthalate		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Acenaphthylene		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,6-Dinitrotoluene		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
3-Nitroaniline		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Acenaphthene		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4-Dinitrophenol		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Dibenzofuran		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Nitrophenol		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4-Dinitrotoluene		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Fluorene		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Diethyl phthalate		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Chlorophenyl phenyl ether		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Nitroaniline		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
1,2-Diphenylhydrazine		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzidine		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
N-Nitrosodiphenylamine		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4,6-Dinitro-2-methylphenol		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Bromophenyl phenyl ether		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Hexachlorobenzene		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Pentachlorophenol		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Phenanthrene		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Anthracene		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Di-n-butyl phthalate		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Fluoranthene		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Pyrene		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Butyl benzyl phthalate		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzo (a) anthracene		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Chrysene		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Bis(2-ethylhexyl) phthalate		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C

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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-17

4A13071-13 (Water) Sampled:01/12/14 09:23

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Di-n-octyl phthalate		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
7,12-Dimethylbenz(a)anthracene		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzo (b) fluoranthene		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzo (k) fluoranthene		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzo (a) pyrene		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
3,3'-Dichlorobenzidine		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Indeno(1,2,3-cd)pyrene		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Dibenzo(a,h)anthracene		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzo(ghi)perylene		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
alpha-BHC		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
beta-BHC		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
gamma-BHC (Lindane)		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
delta-BHC		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Heptachlor		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Heptachlor epoxide		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Aldrin		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Endosulfan I		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4,4´-DDE		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Endosulfan II		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4,4´-DDD		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4,4´-DDT		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Dieldrin		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Endrin aldehyde		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Endosulfan sulfate		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Endrin		ND	6.6	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Surrogate: 2-Fluorophenol		*49.6 %*	*22-92*			*T4A1801*	*01/18/14*	*01/24/14*	*EPA 8270C*
Surrogate: Phenol-d5		*34.8 %*	*10-94*			*T4A1801*	*01/18/14*	*01/24/14*	*EPA 8270C*
Surrogate: Nitrobenzene-d5		*72.7 %*	*41-110*			*T4A1801*	*01/18/14*	*01/24/14*	*EPA 8270C*
Surrogate: 2-Fluorobiphenyl		*72.6 %*	*40-92*			*T4A1801*	*01/18/14*	*01/24/14*	*EPA 8270C*
Surrogate: 2,4,6-Tribromophenol		*74.0 %*	*49-138*			*T4A1801*	*01/18/14*	*01/24/14*	*EPA 8270C*
Surrogate: d14-Terphenyl		*69.6 %*	*44-131*			*T4A1801*	*01/18/14*	*01/24/14*	*EPA 8270C*
Volatile Organics									

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2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-17

4A13071-13 (Water) Sampled:01/12/14 09:23

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Dichlorodifluoromethane (CFC-12)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Vinyl chloride		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromomethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethanol		ND	50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1-Dichloroethene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Carbon disulfide		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Iodomethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acrolein		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methylene chloride		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acetone		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
trans-1,2-Dichloroethene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
tert-Butyl alcohol (TBA)		ND	20	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acetonitrile		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1-Dichloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acrylonitrile		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Vinyl acetate		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
cis-1,2-Dichloroethene		**24**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2,2-Dichloropropane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromochloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chloroform		**7.0**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Carbon tetrachloride		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Butanone (MEK)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1-Dichloropropene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Isobutyl alcohol		ND	20	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Propionitrile		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-17

4A13071-13 (Water) Sampled:01/12/14 09:23

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Tert-Amyl Methyl Ether (TAME)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Benzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methacrylonitrile		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Trichloroethene (TCE)		**26**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Dibromomethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dichloropropane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromodichloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methyl Methacrylate		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Chloroethylvinyl ether		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
cis-1,3-Dichloropropene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Toluene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
trans-1,3-Dichloropropene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Tetrachloroethene (PCE)		**220**	1.0	µg/L	2	T4A1411	01/14/14	01/15/14	EPA 8260B
1,1,2-Trichloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethyl methacrylate		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Dibromochloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,3-Dichloropropane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Hexanone		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethylbenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1,1,2-Tetrachloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
m,p-Xylene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
o-Xylene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Styrene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromoform		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Isopropylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
n-Propylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B

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2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-17

4A13071-13 (Water) Sampled:01/12/14 09:23

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
1,3,5-Trimethylbenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Chlorotoluene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
4-Chlorotoluene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
tert-Butylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,4-Trimethylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
sec-Butylbenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
p-Isopropyltoluene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,3-Dichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,4-Dichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
n-Butylbenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Hexachloroethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,4-Trichlorobenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Hexachlorobutadiene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Naphthalene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Xylenes		ND	2.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Surrogate: 4-Bromofluorobenzene		*98.8 %*	*70-130*			*T4A1411*	*01/14/14*	*01/14/14*	*EPA 8260B*
Surrogate: Dibromofluoromethane		*82.2 %*	*70-130*			*T4A1411*	*01/14/14*	*01/14/14*	*EPA 8260B*
Surrogate: Toluene-d8		*106 %*	*70-130*			*T4A1411*	*01/14/14*	*01/14/14*	*EPA 8260B*

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Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-18@0.5

4A13071-14 (Soil) Sampled:01/12/14 09:46

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Diesel		**89**	40	mg/kg	4	T4A1504	01/15/14	01/25/14	EPA 8015B
Surrogate: o-Terphenyl		*55.4 %*	*11.8-130*			*T4A1504*	*01/15/14*	*01/25/14*	*EPA 8015B*
Motor Oil		**89**	40	mg/kg	4	T4A1505	01/15/14	01/25/14	EPA 8015B

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Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-18@5

4A13071-15 (Soil) Sampled:01/12/14 09:50

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Diesel		ND	10	mg/kg	1	T4A1504	01/15/14	01/25/14	EPA 8015B
Surrogate: o-Terphenyl		*49.7 %*	*11.8-130*			*T4A1504*	*01/15/14*	*01/25/14*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	T4A1505	01/15/14	01/25/14	EPA 8015B
Semi-Volatile Organics - Silica Gel Treated									
Diesel (SGT)		ND	10	mg/kg	1	T4A1504	01/15/14	01/25/14	EPA 8015B
Surrogate: o-Terphenyl		*67.5 %*	*11.8-130*			*T4A1504*	*01/15/14*	*01/25/14*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	T4A1505	01/15/14	01/25/14	EPA 8015B

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MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/24/14 13:09

FB-18@10

4A13071-16 (Soil) Sampled:01/12/14 09:56

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Diesel		ND	10	mg/kg	1	T4A1504	01/15/14	01/25/14	EPA 8015B
Surrogate: o-Terphenyl		*48.0 %*	*11.8-130*			*T4A1504*	*01/15/14*	*01/25/14*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	T4A1505	01/15/14	01/25/14	EPA 8015B

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Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-18@20

4A13071-18 (Soil) Sampled:01/12/14 10:18

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Diesel		ND	10	mg/kg	1	T4A1504	01/15/14	01/25/14	EPA 8015B
Surrogate: o-Terphenyl		*50.7 %*	*11.8-130*			*T4A1504*	*01/15/14*	*01/25/14*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	T4A1505	01/15/14	01/25/14	EPA 8015B

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Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-18

4A13071-20 (Water) Sampled:01/12/14 10:38

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
N-Nitrosodimethylamine		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Aniline		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Phenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Bis(2-chloroethyl)ether		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Chlorophenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
1,3-Dichlorobenzene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
1,4-Dichlorobenzene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
1,2-Dichlorobenzene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzyl alcohol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Bis(2-chloroisopropyl)ether		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Methylphenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Hexachloroethane		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Methylphenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
N-Nitrosodi-n-propylamine		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Nitrobenzene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Isophorone		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Nitrophenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4-Dimethylphenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Bis(2-chloroethoxy)methane		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4-Dichlorophenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
1,2,4-Trichlorobenzene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Naphthalene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzoic acid		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Chloroaniline		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,6-Dichlorophenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Hexachlorobutadiene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Chloro-3-methylphenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Methylnaphthalene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Hexachlorocyclopentadiene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4,5-Trichlorophenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4,6-Trichlorophenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2-Chloronaphthalene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C

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Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-18

4A13071-20 (Water) Sampled:01/12/14 10:38

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
2-Nitroaniline		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Dimethyl phthalate		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Acenaphthylene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,6-Dinitrotoluene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
3-Nitroaniline		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Acenaphthene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4-Dinitrophenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Dibenzofuran		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Nitrophenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
2,4-Dinitrotoluene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Fluorene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Diethyl phthalate		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Chlorophenyl phenyl ether		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Nitroaniline		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
1,2-Diphenylhydrazine		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzidine		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
N-Nitrosodiphenylamine		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4,6-Dinitro-2-methylphenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4-Bromophenyl phenyl ether		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Hexachlorobenzene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Pentachlorophenol		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Phenanthrene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Anthracene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Di-n-butyl phthalate		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Fluoranthene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Pyrene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Butyl benzyl phthalate		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzo (a) anthracene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Chrysene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Bis(2-ethylhexyl) phthalate		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Di-n-octyl phthalate		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
7,12-Dimethylbenz(a)anthracene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C

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2527 Fresno Street
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(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-18

4A13071-20 (Water) Sampled:01/12/14 10:38

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Benzo (b) fluoranthene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzo (k) fluoranthene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzo (a) pyrene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
3,3'-Dichlorobenzidine		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Indeno(1,2,3-cd)pyrene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Dibenzo(a,h)anthracene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Benzo(ghi)perylene		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
alpha-BHC		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
beta-BHC		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
gamma-BHC (Lindane)		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
delta-BHC		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Heptachlor		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Heptachlor epoxide		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Aldrin		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Endosulfan I		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4,4´-DDE		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Endosulfan II		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4,4´-DDD		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
4,4´-DDT		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Dieldrin		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Endrin aldehyde		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Endosulfan sulfate		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Endrin		ND	5.0	µg/L	1	T4A1801	01/18/14	01/24/14	EPA 8270C
Surrogate: 2-Fluorophenol		*43.0 %*	*22-92*			*T4A1801*	*01/18/14*	*01/24/14*	*EPA 8270C*
Surrogate: Phenol-d5		*28.4 %*	*10-94*			*T4A1801*	*01/18/14*	*01/24/14*	*EPA 8270C*
Surrogate: Nitrobenzene-d5		*80.0 %*	*41-110*			*T4A1801*	*01/18/14*	*01/24/14*	*EPA 8270C*
Surrogate: 2-Fluorobiphenyl		*79.3 %*	*40-92*			*T4A1801*	*01/18/14*	*01/24/14*	*EPA 8270C*
Surrogate: 2,4,6-Tribromophenol		*71.6 %*	*49-138*			*T4A1801*	*01/18/14*	*01/24/14*	*EPA 8270C*
Surrogate: d14-Terphenyl		*73.3 %*	*44-131*			*T4A1801*	*01/18/14*	*01/24/14*	*EPA 8270C*
Volatile Organics									
Dichlorodifluoromethane (CFC-12)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B

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Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-18

4A13071-20 (Water) Sampled:01/12/14 10:38

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Vinyl chloride		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromomethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethanol		ND	50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1-Dichloroethene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Carbon disulfide		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Iodomethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acrolein		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methylene chloride		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acetone		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
trans-1,2-Dichloroethene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
tert-Butyl alcohol (TBA)		ND	20	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acetonitrile		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1-Dichloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acrylonitrile		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Vinyl acetate		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
cis-1,2-Dichloroethene		**11**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2,2-Dichloropropane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromochloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chloroform		**1.7**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Carbon tetrachloride		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Butanone (MEK)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1-Dichloropropene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Isobutyl alcohol		ND	20	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Propionitrile		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Benzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B

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Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-18

4A13071-20 (Water) Sampled:01/12/14 10:38

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Methacrylonitrile		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Trichloroethene (TCE)		**4.2**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Dibromomethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dichloropropane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromodichloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methyl Methacrylate		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Chloroethylvinyl ether		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
cis-1,3-Dichloropropene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Toluene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
trans-1,3-Dichloropropene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Tetrachloroethene (PCE)		**66**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1,2-Trichloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethyl methacrylate		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Dibromochloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,3-Dichloropropane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Hexanone		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethylbenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1,1,2-Tetrachloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
m,p-Xylene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
o-Xylene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Styrene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromoform		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Isopropylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
n-Propylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Chlorotoluene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B

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Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-18

4A13071-20 (Water) Sampled:01/12/14 10:38

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
1,2,3-Trichloropropane (123TCP)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
4-Chlorotoluene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
tert-Butylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,4-Trimethylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
sec-Butylbenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
p-Isopropyltoluene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,3-Dichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,4-Dichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
n-Butylbenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Hexachloroethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,4-Trichlorobenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Hexachlorobutadiene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Naphthalene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Xylenes		ND	2.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Surrogate: 4-Bromofluorobenzene		*97.7 %*	*70-130*			*T4A1411*	*01/14/14*	*01/14/14*	*EPA 8260B*
Surrogate: Dibromofluoromethane		*81.6 %*	*70-130*			*T4A1411*	*01/14/14*	*01/14/14*	*EPA 8260B*
Surrogate: Toluene-d8		*108 %*	*70-130*			*T4A1411*	*01/14/14*	*01/14/14*	*EPA 8260B*

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MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/24/14 13:09

FB-22@15

4A13071-23 (Soil) Sampled:01/11/14 11:35

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Diesel		**13**	10	mg/kg	1	T4A1504	01/15/14	01/25/14	EPA 8015B
Surrogate: o-Terphenyl		*44.1 %*	*11.8-130*			*T4A1504*	*01/15/14*	*01/25/14*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	T4A1505	01/15/14	01/25/14	EPA 8015B

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Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-22@15.5

4A13071-24 (Soil) Sampled:01/11/14 11:57

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
N-Nitrosodimethylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosomethylethylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Methyl Methanesulfonate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosodiethylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Ethyl Methanesulfonate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Phenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Bis(2-chloroethyl)ether		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Chlorophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,4-Dichlorobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzyl alcohol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Bis(2-chloroisopropyl)ether		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Methylphenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Acetophenone		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosopyrrolidine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Hexachloroethane		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
o-Toluidine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Methylphenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosodi-n-propylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Nitrobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosopiperidine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Isophorone		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Nitrophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4-Dimethylphenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Bis(2-chloroethoxy)methane		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4-Dichlorophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,2,4-Trichlorobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzoic acid		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Safrole		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,6-Dichlorophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosodi-n-butylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Chloro-3-methylphenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Methylnaphthalene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-22@15.5

4A13071-24 (Soil) Sampled:01/11/14 11:57

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Hexachlorocyclopentadiene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4,5-Trichlorophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4,6-Trichlorophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Chloronaphthalene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Nitroaniline		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,4-Naphthoquinone		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Dimethyl phthalate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Acenaphthylene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,3-Dinitrobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,6-Dinitrotoluene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
3-Nitroaniline		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
5-Nitro-o-toluidine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,2-Diphenylhydrazine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Acenaphthene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4-Dinitrophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pentachlorobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Nitrophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1-Naphthylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4-Dinitrotoluene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Naphthylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,3,4,6-Tetrachlorophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Fluorene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Diethyl phthalate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Chlorophenyl phenyl ether		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Methapyrilene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Nitroaniline		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Aminobiphenyl		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Diphenylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzidine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosodiphenylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4,6-Dinitro-2-methylphenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Phenacetin		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C

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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-22@15.5

4A13071-24 (Soil) Sampled:01/11/14 11:57

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Pentachloronitrobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Bromophenyl phenyl ether		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Hexachlorobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pentachlorophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Phenanthrene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Anthracene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Di-n-butyl phthalate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Fluoranthene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pyrene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
p-Dimethylaminoazobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
3,3´-Dimethylbenzidine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Butyl benzyl phthalate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Acetylaminofluorene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo (a) anthracene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Chrysene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Bis(2-ethylhexyl) phthalate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Di-n-octyl phthalate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
7,12-Dimethylbenz(a)anthracene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo (b) fluoranthene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo (k) fluoranthene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo (a) pyrene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
3,3'-Dichlorobenzidine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
3-Methylcholanthrene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Indeno(1,2,3-cd)pyrene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Dibenzo(a,h)anthracene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo(ghi)perylene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
O,O,O-Triethyl phosphorothioate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pronamide		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Surrogate: 2-Fluorophenol		*29.2 %*	*22-92*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: Phenol-d5		*47.4 %*	*10-94*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: Nitrobenzene-d5	S02	*22.5 %*	*41-110*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: 2-Fluorobiphenyl	S02	*29.7 %*	*40-92*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: 2,4,6-Tribromophenol		*49.5 %*	*49-138*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*

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Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-22@15.5

4A13071-24 (Soil) Sampled:01/11/14 11:57

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Surrogate: d14-Terphenyl		*48.1 %*	*44-131*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Diesel		**11**	10	mg/kg	1	T4A1504	01/15/14	01/25/14	EPA 8015B
Surrogate: o-Terphenyl		*61.8 %*	*11.8-130*			*T4A1504*	*01/15/14*	*01/25/14*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	T4A1505	01/15/14	01/25/14	EPA 8015B
Semi-Volatile Organics - Silica Gel Treated									
Diesel (SGT)		**11**	10	mg/kg	1	T4A1504	01/15/14	01/25/14	EPA 8015B
Surrogate: o-Terphenyl		*62.3 %*	*11.8-130*			*T4A1504*	*01/15/14*	*01/25/14*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	T4A1505	01/15/14	01/25/14	EPA 8015B

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Project Number: 04-72120008 ph14
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Reported:
02/24/14 13:09

FB-22@18

4A13071-25 (Soil) Sampled:01/11/14 12:16

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Diesel		ND	10	mg/kg	1	T4A1504	01/15/14	01/25/14	EPA 8015B
Surrogate: o-Terphenyl		*41.3 %*	*11.8-130*			*T4A1504*	*01/15/14*	*01/25/14*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	T4A1505	01/15/14	01/25/14	EPA 8015B

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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-22

4A13071-28 (Water) Sampled:01/11/14 12:00

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Dichlorodifluoromethane (CFC-12)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Vinyl chloride		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromomethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethanol		ND	50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1-Dichloroethene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Carbon disulfide		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Iodomethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acrolein		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methylene chloride		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acetone		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
trans-1,2-Dichloroethene		**4.9**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
tert-Butyl alcohol (TBA)		ND	20	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acetonitrile		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1-Dichloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acrylonitrile		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Vinyl acetate		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
cis-1,2-Dichloroethene		**970**	5.0	µg/L	10	T4A1411	01/14/14	01/15/14	EPA 8260B
2,2-Dichloropropane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromochloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chloroform		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Carbon tetrachloride		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Butanone (MEK)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1-Dichloropropene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Isobutyl alcohol		ND	20	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Propionitrile		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B

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Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-22

4A13071-28 (Water) Sampled:01/11/14 12:00

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Tert-Amyl Methyl Ether (TAME)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Benzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methacrylonitrile		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Trichloroethene (TCE)		**340**	5.0	µg/L	10	T4A1411	01/14/14	01/15/14	EPA 8260B
Dibromomethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dichloropropane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromodichloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methyl Methacrylate		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Chloroethylvinyl ether		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
cis-1,3-Dichloropropene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Toluene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
trans-1,3-Dichloropropene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Tetrachloroethene (PCE)		**1300**	5.0	µg/L	10	T4A1411	01/14/14	01/15/14	EPA 8260B
1,1,2-Trichloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethyl methacrylate		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Dibromochloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,3-Dichloropropane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Hexanone		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethylbenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1,1,2-Tetrachloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
m,p-Xylene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
o-Xylene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Styrene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromoform		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Isopropylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
n-Propylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B

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Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-22

4A13071-28 (Water) Sampled:01/11/14 12:00

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
1,3,5-Trimethylbenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Chlorotoluene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
4-Chlorotoluene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
tert-Butylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,4-Trimethylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
sec-Butylbenzene		**4.4**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
p-Isopropyltoluene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,3-Dichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,4-Dichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
n-Butylbenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Hexachloroethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,4-Trichlorobenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Hexachlorobutadiene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Naphthalene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Xylenes		ND	2.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Surrogate: 4-Bromofluorobenzene		*103 %*	*70-130*			*T4A1411*	*01/14/14*	*01/14/14*	*EPA 8260B*
Surrogate: Dibromofluoromethane		*85.4 %*	*70-130*			*T4A1411*	*01/14/14*	*01/14/14*	*EPA 8260B*
Surrogate: Toluene-d8		*104 %*	*70-130*			*T4A1411*	*01/14/14*	*01/14/14*	*EPA 8260B*

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
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MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/24/14 13:09

FB-26@5

4A13071-30 (Soil) Sampled:01/12/14 11:13

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Diesel		ND	10	mg/kg	1	T4A1504	01/15/14	01/25/14	EPA 8015B
Surrogate: o-Terphenyl		*41.1 %*	*11.8-130*			*T4A1504*	*01/15/14*	*01/25/14*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	T4A1505	01/15/14	01/25/14	EPA 8015B

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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-26@15

4A13071-32 (Soil) Sampled:01/12/14 11:20

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Diesel		ND	10	mg/kg	1	T4A1504	01/15/14	01/25/14	EPA 8015B
Surrogate: o-Terphenyl		*62.7 %*	*11.8-130*			*T4A1504*	*01/15/14*	*01/25/14*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	T4A1505	01/15/14	01/25/14	EPA 8015B

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MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04-72120008 ph14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/24/14 13:09

FB-26@20

4A13071-33 (Soil) Sampled:01/12/14 11:33

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Diesel		ND	10	mg/kg	1	T4A1504	01/15/14	01/25/14	EPA 8015B
Surrogate: o-Terphenyl		*55.2 %*	*11.8-130*			*T4A1504*	*01/15/14*	*01/25/14*	*EPA 8015B*
Motor Oil		ND	10	mg/kg	1	T4A1505	01/15/14	01/25/14	EPA 8015B

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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-26

4A13071-35 (Water) Sampled:01/12/14 12:10

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Dichlorodifluoromethane (CFC-12)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Vinyl chloride		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromomethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethanol		ND	50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1-Dichloroethene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Carbon disulfide		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Iodomethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acrolein		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methylene chloride		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acetone		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
trans-1,2-Dichloroethene		**0.76**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
tert-Butyl alcohol (TBA)		ND	20	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acetonitrile		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1-Dichloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Acrylonitrile		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Vinyl acetate		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
cis-1,2-Dichloroethene		**140**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2,2-Dichloropropane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromochloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chloroform		**7.5**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Carbon tetrachloride		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Butanone (MEK)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1-Dichloropropene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Isobutyl alcohol		ND	20	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Propionitrile		ND	10	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B

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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-26

4A13071-35 (Water) Sampled:01/12/14 12:10

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Tert-Amyl Methyl Ether (TAME)		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Benzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methacrylonitrile		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Trichloroethene (TCE)		**39**	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Dibromomethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dichloropropane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromodichloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Methyl Methacrylate		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Chloroethylvinyl ether		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
cis-1,3-Dichloropropene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Toluene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
trans-1,3-Dichloropropene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Tetrachloroethene (PCE)		**170**	1.0	µg/L	2	T4A1411	01/14/14	01/16/14	EPA 8260B
1,1,2-Trichloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethyl methacrylate		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Dibromochloromethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,3-Dichloropropane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Hexanone		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Ethylbenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Chlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1,1,2-Tetrachloroethane		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
m,p-Xylene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
o-Xylene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Styrene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromoform		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Isopropylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Bromobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
n-Propylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B

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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

FB-26

4A13071-35 (Water) Sampled:01/12/14 12:10

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
1,3,5-Trimethylbenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
2-Chlorotoluene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
4-Chlorotoluene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
tert-Butylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,4-Trimethylbenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
sec-Butylbenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
p-Isopropyltoluene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,3-Dichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,4-Dichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
n-Butylbenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Hexachloroethane		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	5.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,4-Trichlorobenzene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Hexachlorobutadiene		ND	1.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Naphthalene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.50	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Xylenes		ND	2.0	µg/L	1	T4A1411	01/14/14	01/14/14	EPA 8260B
Surrogate: 4-Bromofluorobenzene		*99.5 %*	*70-130*			*T4A1411*	*01/14/14*	*01/14/14*	*EPA 8260B*
Surrogate: Dibromofluoromethane		*82.2 %*	*70-130*			*T4A1411*	*01/14/14*	*01/14/14*	*EPA 8260B*
Surrogate: Toluene-d8		*106 %*	*70-130*			*T4A1411*	*01/14/14*	*01/14/14*	*EPA 8260B*

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Notes and Definitions

S02	Surrogate recovery was affected by the matrix.
RPD3	The RPD is out of range for this spike and its duplicate due to a low or high bias of one of the two spikes.
RPD	The RPD result exceeded the QC control limits. However, both percent recoveries were acceptable.
MS1	Recovery for this analyte was affected by matrix.
HT2	This sample was analyzed past the EPA recommended holding time for this parameter due to late delivery of the sample to the laboratory.
HT	This result was analyzed outside of the EPA recommended holding time due to laboratory error.
BS2	Recovery for this analyte was biased low. Results were accepted based on duplicate results.
A1	The result for this hydrocarbon is elevated due to the presence of single analyte peak(s) in the quantitation range.
ug/L	micrograms per liter (parts per billion concentration units)
mg/kg	milligrams per kilogram (parts per million concentration units)
mg/L	milligrams per Liter (parts per million concentration units)
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
	Analysis of pH, filtration, and residual chlorine is to take place immediately after sampling in the field. If the test was performed in the laboratory, the hold time was exceeded.

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Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

Inorganics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch T4A1418 - SM4500-H B										
LCS (T4A1418-BS2)				Prepared & Analyzed: 01/14/14						
pH	7.03	0.10	pH Units	7.00		100	80-120		20	
LCS Dup (T4A1418-BSD2)				Prepared & Analyzed: 01/14/14						
pH	7.03	0.10	pH Units	7.00		100	80-120	0.00	20	
Duplicate (T4A1418-DUP1)		**Source: 4A14024-01**		Prepared & Analyzed: 01/14/14						
pH	6.89	0.10	pH Units		6.97			1.15	20	
Duplicate (T4A1418-DUP2)		**Source: 4A14056-01**		Prepared & Analyzed: 01/14/14						
pH	7.65	0.10	pH Units		7.70			0.651	20	

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Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch T4A1504 - EPA 8015B										
Blank (T4A1504-BLK1)				Prepared: 01/15/14 Analyzed: 01/24/14						
Surrogate: o-Terphenyl	*1.72*		*mg/kg*	*2.00*		*85.8*	*11.8-130*			
Diesel	ND	10	mg/kg							
LCS (T4A1504-BS1)				Prepared: 01/15/14 Analyzed: 01/24/14						
Surrogate: o-Terphenyl	*1.78*		*mg/kg*	*2.00*		*89.0*	*11.8-130*			
Diesel	20.2	10	mg/kg	25.0		80.6	48-131		20	
LCS Dup (T4A1504-BSD1)				Prepared: 01/15/14 Analyzed: 01/24/14						
Surrogate: o-Terphenyl	*1.17*		*mg/kg*	*2.00*		*58.3*	*11.8-130*			
Diesel	16.6	10	mg/kg	25.0		66.3	48-131	19.5	20	
Matrix Spike (T4A1504-MS1)		**Source: 4A13071-01**		Prepared: 01/15/14 Analyzed: 01/24/14						
Surrogate: o-Terphenyl	*0.812*		*mg/kg*	*2.00*		*40.6*	*11.8-130*			
Diesel	19.0	10	mg/kg	25.0	ND	76.0	48-131		20	
Matrix Spike Dup (T4A1504-MSD1)		**Source: 4A13071-01**		Prepared: 01/15/14 Analyzed: 01/24/14						
Surrogate: o-Terphenyl	*0.861*		*mg/kg*	*2.00*		*43.0*	*11.8-130*			
Diesel	16.5	10	mg/kg	25.0	ND	66.1	48-131	14.0	20	
Batch T4A1505 - EPA 8015B										
Blank (T4A1505-BLK1)				Prepared: 01/15/14 Analyzed: 01/24/14						
Surrogate: o-Terphenyl	*1.86*		*mg/kg*	*2.00*		*92.9*	*11.8-130*			
Motor Oil	ND	10	mg/kg							
LCS (T4A1505-BS1)				Prepared: 01/15/14 Analyzed: 01/24/14						
Surrogate: o-Terphenyl	*1.67*		*mg/kg*	*2.00*		*83.7*	*11.8-130*			
Motor Oil	22.9	10	mg/kg				62-132		20	
LCS Dup (T4A1505-BSD1)				Prepared: 01/15/14 Analyzed: 01/24/14						
Surrogate: o-Terphenyl	*1.69*		*mg/kg*	*2.00*		*84.7*	*11.8-130*			
Motor Oil	22.9	10	mg/kg				62-132	0.306	20	
Matrix Spike (T4A1505-MS1)		**Source: 4A13071-02**		Prepared: 01/15/14 Analyzed: 01/24/14						
Surrogate: o-Terphenyl	*1.42*		*mg/kg*	*2.00*		*71.0*	*11.8-130*			
Motor Oil	18.4	10	mg/kg		ND		48-131		20	
Matrix Spike Dup (T4A1505-MSD1)		**Source: 4A13071-02**		Prepared: 01/15/14 Analyzed: 01/24/14						
Surrogate: o-Terphenyl	*1.41*		*mg/kg*	*2.00*		*70.4*	*11.8-130*			
Motor Oil	19.4	10	mg/kg		ND		48-131	5.01	20	

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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch T4A1801 - EPA 8270C										
Blank (T4A1801-BLK1)				Prepared: 01/18/14 Analyzed: 01/23/14						
Surrogate: 2-Fluorophenol	*32.0*		*µg/L*	*100*		*32.0*	*22-92*			
Surrogate: Phenol-d5	*24.2*		*µg/L*	*100*		*24.2*	*10-94*			
Surrogate: Nitrobenzene-d5	*31.4*		*µg/L*	*50.0*		*62.7*	*41-110*			
Surrogate: 2-Fluorobiphenyl	*31.9*		*µg/L*	*50.0*		*63.8*	*40-92*			
Surrogate: 2,4,6-Tribromophenol	*50.4*		*µg/L*	*100*		*50.4*	*49-138*			
Surrogate: d14-Terphenyl	*38.7*		*µg/L*	*50.0*		*77.3*	*44-131*			
N-Nitrosodimethylamine	ND	5.0	µg/L							
Aniline	ND	5.0	µg/L							
Phenol	ND	5.0	µg/L							
Bis(2-chloroethyl)ether	ND	5.0	µg/L							
2-Chlorophenol	ND	5.0	µg/L							
1,3-Dichlorobenzene	ND	5.0	µg/L							
1,4-Dichlorobenzene	ND	5.0	µg/L							
1,2-Dichlorobenzene	ND	5.0	µg/L							
Benzyl alcohol	ND	5.0	µg/L							
Bis(2-chloroisopropyl)ether	ND	5.0	µg/L							
2-Methylphenol	ND	5.0	µg/L							
Hexachloroethane	ND	5.0	µg/L							
4-Methylphenol	ND	5.0	µg/L							
N-Nitrosodi-n-propylamine	ND	5.0	µg/L							
Nitrobenzene	ND	5.0	µg/L							
Isophorone	ND	5.0	µg/L							
2-Nitrophenol	ND	5.0	µg/L							
2,4-Dimethylphenol	ND	5.0	µg/L							
Bis(2-chloroethoxy)methane	ND	5.0	µg/L							
2,4-Dichlorophenol	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	5.0	µg/L							
Naphthalene	ND	5.0	µg/L							
Benzoic acid	ND	5.0	µg/L							
4-Chloroaniline	ND	5.0	µg/L							
2,6-Dichlorophenol	ND	5.0	µg/L							
Hexachlorobutadiene	ND	5.0	µg/L							
4-Chloro-3-methylphenol	ND	5.0	µg/L							
2-Methylnaphthalene	ND	5.0	µg/L							
Hexachlorocyclopentadiene	ND	5.0	µg/L							

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Semi-Volatile Organics - Quality Control

Batch T4A1801 - EPA 8270C

Blank (T4A1801-BLK1) Prepared: 01/18/14 Analyzed: 01/23/14

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-Trichlorophenol	ND	5.0	µg/L							
2,4,6-Trichlorophenol	ND	5.0	µg/L							
2-Chloronaphthalene	ND	5.0	µg/L							
2-Nitroaniline	ND	5.0	µg/L							
Dimethyl phthalate	ND	5.0	µg/L							
Acenaphthylene	ND	5.0	µg/L							
2,6-Dinitrotoluene	ND	5.0	µg/L							
3-Nitroaniline	ND	5.0	µg/L							
Acenaphthene	ND	5.0	µg/L							
2,4-Dinitrophenol	ND	5.0	µg/L							
Dibenzofuran	ND	5.0	µg/L							
4-Nitrophenol	ND	5.0	µg/L							
2,4-Dinitrotoluene	ND	5.0	µg/L							
Fluorene	ND	5.0	µg/L							
Diethyl phthalate	ND	5.0	µg/L							
4-Chlorophenyl phenyl ether	ND	5.0	µg/L							
4-Nitroaniline	ND	5.0	µg/L							
1,2-Diphenylhydrazine	ND	5.0	µg/L							
Benzidine	ND	5.0	µg/L							
N-Nitrosodiphenylamine	ND	5.0	µg/L							
4,6-Dinitro-2-methylphenol	ND	5.0	µg/L							
4-Bromophenyl phenyl ether	ND	5.0	µg/L							
Hexachlorobenzene	ND	5.0	µg/L							
Pentachlorophenol	ND	5.0	µg/L							
Phenanthrene	ND	5.0	µg/L							
Anthracene	ND	5.0	µg/L							
Di-n-butyl phthalate	ND	5.0	µg/L							
Fluoranthene	ND	5.0	µg/L							
Pyrene	ND	5.0	µg/L							
Butyl benzyl phthalate	ND	5.0	µg/L							
Benzo (a) anthracene	ND	5.0	µg/L							
Chrysene	ND	5.0	µg/L							
Bis(2-ethylhexyl) phthalate	ND	5.0	µg/L							
Di-n-octyl phthalate	ND	5.0	µg/L							
7,12-Dimethylbenz(a)anthracene	ND	5.0	µg/L							

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Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
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Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch T4A1801 - EPA 8270C										
Blank (T4A1801-BLK1)				Prepared: 01/18/14 Analyzed: 01/23/14						
Benzo (b) fluoranthene	ND	5.0	µg/L							
Benzo (k) fluoranthene	ND	5.0	µg/L							
Benzo (a) pyrene	ND	5.0	µg/L							
3,3'-Dichlorobenzidine	ND	5.0	µg/L							
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L							
Dibenzo(a,h)anthracene	ND	5.0	µg/L							
Benzo(ghi)perylene	ND	5.0	µg/L							
alpha-BHC	ND	5.0	µg/L							
beta-BHC	ND	5.0	µg/L							
gamma-BHC (Lindane)	ND	5.0	µg/L							
delta-BHC	ND	5.0	µg/L							
Heptachlor	ND	5.0	µg/L							
Heptachlor epoxide	ND	5.0	µg/L							
Aldrin	ND	5.0	µg/L							
Endosulfan I	ND	5.0	µg/L							
4,4´-DDE	ND	5.0	µg/L							
Endosulfan II	ND	5.0	µg/L							
4,4´-DDD	ND	5.0	µg/L							
4,4´-DDT	ND	5.0	µg/L							
Dieldrin	ND	5.0	µg/L							
Endrin aldehyde	ND	5.0	µg/L							
Endosulfan sulfate	ND	5.0	µg/L							
Endrin	ND	5.0	µg/L							
LCS (T4A1801-BS1)				Prepared: 01/18/14 Analyzed: 01/24/14						
Surrogate: 2-Fluorophenol	*40.0*		*µg/L*	*100*	*40.0*	*22-92*				
Surrogate: Phenol-d5	*29.4*		*µg/L*	*100*	*29.4*	*10-94*				
Surrogate: Nitrobenzene-d5	*37.3*		*µg/L*	*50.0*	*74.7*	*41-110*				
Surrogate: 2-Fluorobiphenyl	*36.9*		*µg/L*	*50.0*	*73.9*	*40-92*				
Surrogate: 2,4,6-Tribromophenol	*61.7*		*µg/L*	*100*	*61.7*	*49-138*				
Surrogate: d14-Terphenyl	*44.4*		*µg/L*	*50.0*	*88.8*	*44-131*				
Phenol	14.5	5.0	µg/L	50.0	29.0	5-112			20	RPD
2-Chlorophenol	29.0	5.0	µg/L	50.0	58.1	23-134			20	RPD3
1,4-Dichlorobenzene	14.3	5.0	µg/L	25.0	57.1	20-124			20	
N-Nitrosodi-n-propylamine	16.9	5.0	µg/L	25.0	67.7	5-230			20	
1,2,4-Trichlorobenzene	15.5	5.0	µg/L	25.0	62.0	44-142			20	

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Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch T4A1801 - EPA 8270C										
LCS (T4A1801-BS1)				Prepared: 01/18/14 Analyzed: 01/24/14						
4-Chloro-3-methylphenol	32.3	5.0	µg/L	50.0		64.7	22-147		20	
Acenaphthene	17.8	5.0	µg/L	25.0		71.2	47-145		20	
2,4-Dinitrotoluene	17.3	5.0	µg/L	25.0		69.3	39-139		20	
Pyrene	20.6	5.0	µg/L	25.0		82.6	52-115		20	
LCS Dup (T4A1801-BSD1)				Prepared: 01/18/14 Analyzed: 01/24/14						
Surrogate: 2-Fluorophenol	*5.36*		*µg/L*	*100*		*5.36*	*22-92*			*BS2*
Surrogate: Phenol-d5	*14.5*		*µg/L*	*100*		*14.5*	*10-94*			
Surrogate: Nitrobenzene-d5	*41.3*		*µg/L*	*50.0*		*82.6*	*41-110*			
Surrogate: 2-Fluorobiphenyl	*41.1*		*µg/L*	*50.0*		*82.2*	*40-92*			
Surrogate: 2,4,6-Tribromophenol	*5.11*		*µg/L*	*100*		*5.11*	*49-138*			*BS2*
Surrogate: d14-Terphenyl	*41.3*		*µg/L*	*50.0*		*82.7*	*44-131*			
Phenol	7.20	5.0	µg/L	50.0		14.4	5-112	67.1	20	RPD
2-Chlorophenol	8.89	5.0	µg/L	50.0		17.8	23-134	106	20	BS2
1,4-Dichlorobenzene	16.5	5.0	µg/L	25.0		66.1	20-124	14.6	20	
N-Nitrosodi-n-propylamine	18.5	5.0	µg/L	25.0		73.9	5-230	8.73	20	
1,2,4-Trichlorobenzene	18.0	5.0	µg/L	25.0		72.1	44-142	15.0	20	
4-Chloro-3-methylphenol	27.0	5.0	µg/L	50.0		54.1	22-147	17.8	20	
Acenaphthene	19.7	5.0	µg/L	25.0		78.6	47-145	9.86	20	
2,4-Dinitrotoluene	17.9	5.0	µg/L	25.0		71.8	39-139	3.52	20	
Pyrene	18.6	5.0	µg/L	25.0		74.2	52-115	10.6	20	
Batch T4A2002 - EPA 8270C										
Blank (T4A2002-BLK1)				Prepared: 01/20/14 Analyzed: 01/24/14						
Surrogate: 2-Fluorophenol	*1.94*		*mg/kg*	*3.33*		*58.4*	*22-92*			
Surrogate: Phenol-d5	*2.23*		*mg/kg*	*3.33*		*66.9*	*10-94*			
Surrogate: Nitrobenzene-d5	*1.14*		*mg/kg*	*1.67*		*68.1*	*41-110*			
Surrogate: 2-Fluorobiphenyl	*1.22*		*mg/kg*	*1.67*		*73.4*	*40-92*			
Surrogate: 2,4,6-Tribromophenol	*2.12*		*mg/kg*	*3.33*		*63.7*	*49-138*			
Surrogate: d14-Terphenyl	*1.33*		*mg/kg*	*1.67*		*79.6*	*44-131*			
N-Nitrosodimethylamine	ND	0.33	mg/kg							
N-Nitrosomethylethylamine	ND	0.33	mg/kg							
Methyl Methanesulfonate	ND	0.33	mg/kg							
N-Nitrosodiethylamine	ND	0.33	mg/kg							
Ethyl Methanesulfonate	ND	0.33	mg/kg							
Phenol	ND	0.33	mg/kg							

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Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch T4A2002 - EPA 8270C										
Blank (T4A2002-BLK1)				Prepared: 01/20/14 Analyzed: 01/24/14						
Bis(2-chloroethyl)ether	ND	0.33	mg/kg							
2-Chlorophenol	ND	0.33	mg/kg							
1,4-Dichlorobenzene	ND	0.33	mg/kg							
Benzyl alcohol	ND	0.33	mg/kg							
Bis(2-chloroisopropyl)ether	ND	0.33	mg/kg							
2-Methylphenol	ND	0.33	mg/kg							
Acetophenone	ND	0.33	mg/kg							
N-Nitrosopyrrolidine	ND	0.33	mg/kg							
Hexachloroethane	ND	0.33	mg/kg							
o-Toluidine	ND	0.33	mg/kg							
4-Methylphenol	ND	0.33	mg/kg							
N-Nitrosodi-n-propylamine	ND	0.33	mg/kg							
Nitrobenzene	ND	0.33	mg/kg							
N-Nitrosopiperidine	ND	0.33	mg/kg							
Isophorone	ND	0.33	mg/kg							
2-Nitrophenol	ND	0.33	mg/kg							
2,4-Dimethylphenol	ND	0.33	mg/kg							
Bis(2-chloroethoxy)methane	ND	0.33	mg/kg							
2,4-Dichlorophenol	ND	0.33	mg/kg							
1,2,4-Trichlorobenzene	ND	0.33	mg/kg							
Benzoic acid	ND	0.33	mg/kg							
Safrole	ND	0.33	mg/kg							
2,6-Dichlorophenol	ND	0.33	mg/kg							
N-Nitrosodi-n-butylamine	ND	0.33	mg/kg							
4-Chloro-3-methylphenol	ND	0.33	mg/kg							
2-Methylnaphthalene	ND	0.33	mg/kg							
Hexachlorocyclopentadiene	ND	0.33	mg/kg							
2,4,5-Trichlorophenol	ND	0.33	mg/kg							
2,4,6-Trichlorophenol	ND	0.33	mg/kg							
2-Chloronaphthalene	ND	0.33	mg/kg							
2-Nitroaniline	ND	0.33	mg/kg							
1,4-Naphthoquinone	ND	0.33	mg/kg							
Dimethyl phthalate	ND	0.33	mg/kg							
Acenaphthylene	ND	0.33	mg/kg							
1,3-Dinitrobenzene	ND	0.33	mg/kg							

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Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch T4A2002 - EPA 8270C										
Blank (T4A2002-BLK1)				Prepared: 01/20/14 Analyzed: 01/24/14						
2,6-Dinitrotoluene	ND	0.33	mg/kg							
3-Nitroaniline	ND	0.33	mg/kg							
5-Nitro-o-toluidine	ND	0.33	mg/kg							
1,2-Diphenylhydrazine	ND	0.33	mg/kg							
Acenaphthene	ND	0.33	mg/kg							
2,4-Dinitrophenol	ND	0.33	mg/kg							
Pentachlorobenzene	ND	0.33	mg/kg							
4-Nitrophenol	ND	0.33	mg/kg							
1-Naphthylamine	ND	0.33	mg/kg							
2,4-Dinitrotoluene	ND	0.33	mg/kg							
2-Naphthylamine	ND	0.33	mg/kg							
2,3,4,6-Tetrachlorophenol	ND	0.33	mg/kg							
Fluorene	ND	0.33	mg/kg							
Diethyl phthalate	ND	0.33	mg/kg							
4-Chlorophenyl phenyl ether	ND	0.33	mg/kg							
Methapyrilene	ND	0.33	mg/kg							
4-Nitroaniline	ND	0.33	mg/kg							
4-Aminobiphenyl	ND	0.33	mg/kg							
Diphenylamine	ND	0.33	mg/kg							
Benzidine	ND	0.33	mg/kg							
N-Nitrosodiphenylamine	ND	0.33	mg/kg							
4,6-Dinitro-2-methylphenol	ND	0.33	mg/kg							
Phenacetin	ND	0.33	mg/kg							
Pentachloronitrobenzene	ND	0.33	mg/kg							
4-Bromophenyl phenyl ether	ND	0.33	mg/kg							
Hexachlorobenzene	ND	0.33	mg/kg							
Pentachlorophenol	ND	0.33	mg/kg							
Phenanthrene	ND	0.33	mg/kg							
Anthracene	ND	0.33	mg/kg							
Di-n-butyl phthalate	ND	0.33	mg/kg							
Fluoranthene	ND	0.33	mg/kg							
Pyrene	ND	0.33	mg/kg							
p-Dimethylaminoazobenzene	ND	0.33	mg/kg							
3,3´-Dimethylbenzidine	ND	0.33	mg/kg							
Butyl benzyl phthalate	ND	0.33	mg/kg							

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Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch T4A2002 - EPA 8270C										
Blank (T4A2002-BLK1)				Prepared: 01/20/14 Analyzed: 01/24/14						
2-Acetylaminofluorene	ND	0.33	mg/kg							
Benzo (a) anthracene	ND	0.33	mg/kg							
Chrysene	ND	0.33	mg/kg							
Bis(2-ethylhexyl) phthalate	ND	0.33	mg/kg							
Di-n-octyl phthalate	ND	0.33	mg/kg							
7,12-Dimethylbenz(a)anthracene	ND	0.33	mg/kg							
Benzo (b) fluoranthene	ND	0.33	mg/kg							
Benzo (k) fluoranthene	ND	0.33	mg/kg							
Benzo (a) pyrene	ND	0.33	mg/kg							
3,3'-Dichlorobenzidine	ND	0.33	mg/kg							
3-Methylcholanthrene	ND	0.33	mg/kg							
Indeno(1,2,3-cd)pyrene	ND	0.33	mg/kg							
Dibenzo(a,h)anthracene	ND	0.33	mg/kg							
Benzo(ghi)perylene	ND	0.33	mg/kg							
O,O,O-Triethyl phosphorothioate	ND	0.33	mg/kg							
Pronamide	ND	0.33	mg/kg							
LCS (T4A2002-BS1)				Prepared: 01/20/14 Analyzed: 01/24/14						
Surrogate: 2-Fluorophenol	*1.99*		*mg/kg*	*3.33*		*59.7*	*22-92*			
Surrogate: Phenol-d5	*2.16*		*mg/kg*	*3.33*		*64.9*	*10-94*			
Surrogate: Nitrobenzene-d5	*1.11*		*mg/kg*	*1.67*		*66.5*	*41-110*			
Surrogate: 2-Fluorobiphenyl	*1.18*		*mg/kg*	*1.67*		*70.7*	*40-92*			
Surrogate: 2,4,6-Tribromophenol	*2.02*		*mg/kg*	*3.33*		*60.6*	*49-138*			
Surrogate: d14-Terphenyl	*1.24*		*mg/kg*	*1.67*		*74.1*	*44-131*			
Phenol	1.03	0.33	mg/kg	1.67		61.7	5-112		20	
2-Chlorophenol	0.940	0.33	mg/kg	1.67		56.4	23-134		20	
1,4-Dichlorobenzene	0.213	0.33	mg/kg	0.833		25.5	20-124		20	RPD3
N-Nitrosodi-n-propylamine	0.461	0.33	mg/kg	0.833		55.3	5-230		20	
1,2,4-Trichlorobenzene	0.438	0.33	mg/kg	0.833		52.5	44-142		20	
4-Chloro-3-methylphenol	1.09	0.33	mg/kg	1.67		65.1	22-147		20	
Acenaphthene	0.569	0.33	mg/kg	0.833		68.2	47-145		20	
2,4-Dinitrotoluene	0.394	0.33	mg/kg	0.833		47.3	39-139		20	
Pyrene	0.594	0.33	mg/kg	0.833		71.3	52-115		20	
LCS Dup (T4A2002-BSD1)				Prepared: 01/20/14 Analyzed: 01/24/14						
Surrogate: 2-Fluorophenol	*1.65*		*mg/kg*	*3.33*		*49.6*	*22-92*			

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California ELAP Certificate #1371

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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

Semi-Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch T4A2002 - EPA 8270C										
LCS Dup (T4A2002-BSD1)				Prepared: 01/20/14 Analyzed: 01/24/14						
Surrogate: Phenol-d5	*1.98*		*mg/kg*	*3.33*		*59.5*	*10-94*			
Surrogate: Nitrobenzene-d5	*1.03*		*mg/kg*	*1.67*		*61.7*	*41-110*			
Surrogate: 2-Fluorobiphenyl	*1.12*		*mg/kg*	*1.67*		*67.0*	*40-92*			
Surrogate: 2,4,6-Tribromophenol	*1.91*		*mg/kg*	*3.33*		*57.2*	*49-138*			
Surrogate: d14-Terphenyl	*1.27*		*mg/kg*	*1.67*		*76.0*	*44-131*			
Phenol	0.971	0.33	mg/kg	1.67		58.2	5-112	5.79	20	
2-Chlorophenol	0.873	0.33	mg/kg	1.67		52.4	23-134	7.43	20	
1,4-Dichlorobenzene	0.142	0.33	mg/kg	0.833		17.0	20-124	40.1	20	BS2
N-Nitrosodi-n-propylamine	0.443	0.33	mg/kg	0.833		53.1	5-230	4.08	20	
1,2,4-Trichlorobenzene	0.401	0.33	mg/kg	0.833		48.2	44-142	8.59	20	
4-Chloro-3-methylphenol	0.989	0.33	mg/kg	1.67		59.3	22-147	9.31	20	
Acenaphthene	0.538	0.33	mg/kg	0.833		64.6	47-145	5.50	20	
2,4-Dinitrotoluene	0.340	0.33	mg/kg	0.833		40.8	39-139	14.7	20	
Pyrene	0.594	0.33	mg/kg	0.833		71.3	52-115	0.00561	20	
Matrix Spike (T4A2002-MS1)		**Source: 4A08030-07**		Prepared: 01/20/14 Analyzed: 01/24/14						
Surrogate: 2-Fluorophenol	*1.53*		*mg/kg*	*3.33*		*46.0*	*22-92*			
Surrogate: Phenol-d5	*1.88*		*mg/kg*	*3.33*		*56.5*	*10-94*			
Surrogate: Nitrobenzene-d5	*0.690*		*mg/kg*	*1.67*		*41.4*	*41-110*			
Surrogate: 2-Fluorobiphenyl	*1.04*		*mg/kg*	*1.67*		*62.4*	*40-92*			
Surrogate: 2,4,6-Tribromophenol	*1.59*		*mg/kg*	*3.33*		*47.8*	*49-138*			*MS1*
Surrogate: d14-Terphenyl	*0.633*		*mg/kg*	*1.67*		*38.0*	*44-131*			*MS1*
Phenol	0.976	3.3	mg/kg	1.67	ND	58.6	5-112		20	
2-Chlorophenol	0.756	3.3	mg/kg	1.67	ND	45.3	23-134		20	
1,4-Dichlorobenzene	ND	3.3	mg/kg	0.833	ND		20-124		20	MS1
N-Nitrosodi-n-propylamine	ND	3.3	mg/kg	0.833	ND		5-230		20	MS1
1,2,4-Trichlorobenzene	ND	3.3	mg/kg	0.833	ND		44-142		20	MS1
4-Chloro-3-methylphenol	0.814	3.3	mg/kg	1.67	ND	48.8	22-147		20	
Acenaphthene	0.519	3.3	mg/kg	0.833	ND	62.3	47-145		20	
2,4-Dinitrotoluene	ND	3.3	mg/kg	0.833	ND		39-139		20	MS1
Pyrene	ND	3.3	mg/kg	0.833	ND		52-115		20	MS1
Matrix Spike Dup (T4A2002-MSD1)		**Source: 4A08030-07**		Prepared: 01/20/14 Analyzed: 01/24/14						
Surrogate: 2-Fluorophenol	*1.65*		*mg/kg*	*3.33*		*49.5*	*22-92*			
Surrogate: Phenol-d5	*1.98*		*mg/kg*	*3.33*		*59.4*	*10-94*			
Surrogate: Nitrobenzene-d5	*0.500*		*mg/kg*	*1.67*		*30.0*	*41-110*			*MS1*

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Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
02/24/14 13:09

Semi-Volatile Organics - Quality Control

Batch T4A2002 - EPA 8270C

Matrix Spike Dup (T4A2002-MSD1) **Source: 4A08030-07** Prepared: 01/20/14 Analyzed: 01/24/14

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: 2-Fluorobiphenyl	*0.937*		*mg/kg*	*1.67*		*56.2*	*40-92*			
Surrogate: 2,4,6-Tribromophenol	*1.52*		*mg/kg*	*3.33*		*45.6*	*49-138*			*MS1*
Surrogate: d14-Terphenyl	*0.513*		*mg/kg*	*1.67*		*30.8*	*44-131*			*MS1*
Phenol	0.981	3.3	mg/kg	1.67	ND	58.9	5-112	0.511	20	
2-Chlorophenol	0.732	3.3	mg/kg	1.67	ND	43.9	23-134	3.23	20	
1,4-Dichlorobenzene	ND	3.3	mg/kg	0.833	ND		20-124		20	MS1
N-Nitrosodi-n-propylamine	ND	3.3	mg/kg	0.833	ND		5-230		20	MS1
1,2,4-Trichlorobenzene	ND	3.3	mg/kg	0.833	ND		44-142		20	MS1
4-Chloro-3-methylphenol	0.796	3.3	mg/kg	1.67	ND	47.7	22-147	2.24	20	
Acenaphthene	ND	3.3	mg/kg	0.833	ND		47-145		20	MS1
2,4-Dinitrotoluene	ND	3.3	mg/kg	0.833	ND		39-139		20	MS1
Pyrene	ND	3.3	mg/kg	0.833	ND		52-115		20	MS1

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Project Number: 04-72120008 ph14
Project Manager: Keith Mayes

Reported:
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Semi-Volatile Organics - Silica Gel Treated - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch T4A1504 - EPA 8015B										
Blank (T4A1504-BLK1)				Prepared: 01/15/14 Analyzed: 01/24/14						
Surrogate: o-Terphenyl	*1.83*		*mg/kg*	*2.00*		*91.4*	*11.8-130*			
Diesel (SGT)	ND	10	mg/kg							
LCS (T4A1504-BS1)				Prepared: 01/15/14 Analyzed: 01/24/14						
Surrogate: o-Terphenyl	*2.08*		*mg/kg*	*2.00*		*104*	*11.8-130*			
Diesel (SGT)	23.3	10	mg/kg	25.0		93.4	48-131		20	
LCS Dup (T4A1504-BSD1)				Prepared: 01/15/14 Analyzed: 01/24/14						
Surrogate: o-Terphenyl	*2.05*		*mg/kg*	*2.00*		*102*	*11.8-130*			
Diesel (SGT)	17.8	10	mg/kg	25.0		71.2	48-131	27.0	20	RPD
Matrix Spike (T4A1504-MS1)		**Source: 4A13071-01**		Prepared: 01/15/14 Analyzed: 01/24/14						
Surrogate: o-Terphenyl	*0.874*		*mg/kg*	*2.00*		*43.7*	*11.8-130*			
Diesel (SGT)	20.0	10	mg/kg	25.0	ND	79.9	48-131		20	
Matrix Spike Dup (T4A1504-MSD1)		**Source: 4A13071-01**		Prepared: 01/15/14 Analyzed: 01/24/14						
Surrogate: o-Terphenyl	*0.805*		*mg/kg*	*2.00*		*40.2*	*11.8-130*			
Diesel (SGT)	19.2	10	mg/kg	25.0	ND	76.7	48-131	4.03	20	
Batch T4A1505 - EPA 8015B										
Blank (T4A1505-BLK1)				Prepared: 01/15/14 Analyzed: 01/24/14						
Surrogate: o-Terphenyl	*2.05*		*mg/kg*	*2.00*		*103*	*0-200*			
Motor Oil	ND	10	mg/kg							
LCS (T4A1505-BS1)				Prepared: 01/15/14 Analyzed: 01/24/14						
Surrogate: o-Terphenyl	*1.72*		*mg/kg*	*2.00*		*86.1*	*0-200*			
Motor Oil	23.3	10	mg/kg				62-132		20	
LCS Dup (T4A1505-BSD1)				Prepared: 01/15/14 Analyzed: 01/24/14						
Surrogate: o-Terphenyl	*1.83*		*mg/kg*	*2.00*		*91.3*	*0-200*			
Motor Oil	24.4	10	mg/kg				62-132	4.73	20	
Matrix Spike (T4A1505-MS1)		**Source: 4A13071-02**		Prepared: 01/15/14 Analyzed: 01/24/14						
Surrogate: o-Terphenyl	*1.31*		*mg/kg*	*2.00*		*65.4*	*0-200*			
Motor Oil	16.8	10	mg/kg		ND		62-132		20	
Matrix Spike Dup (T4A1505-MSD1)		**Source: 4A13071-02**		Prepared: 01/15/14 Analyzed: 01/24/14						
Surrogate: o-Terphenyl	*1.53*		*mg/kg*	*2.00*		*76.5*	*0-200*			
Motor Oil	20.7	10	mg/kg		ND		62-132	20.7	20	

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Project Number: 04-72120008 ph14
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Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch T4A1411 - EPA 8260B										
Blank (T4A1411-BLK1)				Prepared & Analyzed: 01/14/14						
Surrogate: 4-Bromofluorobenzene	*24.7*		*µg/L*	*25.0*		*98.8*	*70-130*			
Surrogate: Dibromofluoromethane	*22.0*		*µg/L*	*25.0*		*88.2*	*70-130*			
Surrogate: Toluene-d8	*26.0*		*µg/L*	*25.0*		*104*	*70-130*			
Dichlorodifluoromethane (CFC-12)	ND	0.50	µg/L							
Chloromethane	ND	0.50	µg/L							
Vinyl chloride	ND	0.50	µg/L							
Bromomethane	ND	1.0	µg/L							
Chloroethane	ND	0.50	µg/L							
Trichlorofluoromethane (CFC-11)	ND	0.50	µg/L							
Ethanol	ND	50	µg/L							
Trichlorotrifluoroethane (CFC-113)	ND	1.0	µg/L							
1,1-Dichloroethene	ND	0.50	µg/L							
Carbon disulfide	ND	0.50	µg/L							
Iodomethane	ND	1.0	µg/L							
Acrolein	ND	10	µg/L							
Methylene chloride	ND	1.0	µg/L							
Acetone	ND	10	µg/L							
trans-1,2-Dichloroethene	ND	0.50	µg/L							
tert-Butyl alcohol (TBA)	ND	20	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Acetonitrile	ND	10	µg/L							
Di-isopropyl ether (DIPE)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
Ethyl tert-Butyl Ether (ETBE)	ND	1.0	µg/L							
Vinyl acetate	ND	0.50	µg/L							
cis-1,2-Dichloroethene	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
Bromochloromethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Carbon tetrachloride	ND	0.50	µg/L							
2-Butanone (MEK)	ND	1.0	µg/L							
1,1,1-Trichloroethane (TCA)	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
Isobutyl alcohol	ND	20	µg/L							

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Project: Fugro West - Mercury Cleaners
Project Number: 04-72120008 ph14
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Reported:
02/24/14 13:09

Volatile Organics - Quality Control

Batch T4A1411 - EPA 8260B

Blank (T4A1411-BLK1) Prepared & Analyzed: 01/14/14

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Propionitrile	ND	10	µg/L							
Tert-Amyl Methyl Ether (TAME)	ND	1.0	µg/L							
Benzene	ND	0.50	µg/L							
Methacrylonitrile	ND	5.0	µg/L							
1,2-Dichloroethane (1,2-DCA)	ND	0.50	µg/L							
Trichloroethene (TCE)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Methyl Methacrylate	ND	0.50	µg/L							
2-Chloroethylvinyl ether	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
Toluene	ND	0.50	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Tetrachloroethene (PCE)	ND	0.50	µg/L							
1,1,2-Trichloroethane	ND	0.50	µg/L							
Ethyl methacrylate	ND	1.0	µg/L							
Dibromochloromethane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
2-Hexanone	ND	1.0	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
m,p-Xylene	ND	1.0	µg/L							
o-Xylene	ND	0.50	µg/L							
Styrene	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Isopropylbenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	5.0	µg/L							
Bromobenzene	ND	0.50	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	0.50	µg/L							

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Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch T4A1411 - EPA 8260B										
Blank (T4A1411-BLK1)				Prepared & Analyzed: 01/14/14						
2-Chlorotoluene	ND	0.50	µg/L							
1,2,3-Trichloropropane (123TCP)	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	0.50	µg/L							
p-Isopropyltoluene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
n-Butylbenzene	ND	0.50	µg/L							
Hexachloroethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	1.0	µg/L							
Naphthalene	ND	0.50	µg/L							
1,2,3-Trichlorobenzene	ND	0.50	µg/L							
Xylenes	ND	2.0	µg/L							
LCS (T4A1411-BS1)				Prepared & Analyzed: 01/14/14						
Surrogate: 4-Bromofluorobenzene	*25.5*		*µg/L*	*25.0*	*102*	*70-130*				
Surrogate: Dibromofluoromethane	*22.8*		*µg/L*	*25.0*	*91.1*	*70-130*				
Surrogate: Toluene-d8	*25.4*		*µg/L*	*25.0*	*101*	*70-130*				
1,1-Dichloroethene	19.7	0.50	µg/L	20.0	98.7	70-130			20	
Benzene	20.9	0.50	µg/L	20.0	104	70-130			20	
Trichloroethene (TCE)	19.2	0.50	µg/L	20.0	95.9	70-130			20	
Toluene	20.8	0.50	µg/L	20.0	104	70-130			20	
Chlorobenzene	21.1	0.50	µg/L	20.0	105	70-130			20	
LCS Dup (T4A1411-BSD1)				Prepared & Analyzed: 01/14/14						
Surrogate: 4-Bromofluorobenzene	*25.4*		*µg/L*	*25.0*	*102*	*70-130*				
Surrogate: Dibromofluoromethane	*22.6*		*µg/L*	*25.0*	*90.6*	*70-130*				
Surrogate: Toluene-d8	*25.8*		*µg/L*	*25.0*	*103*	*70-130*				
1,1-Dichloroethene	18.2	0.50	µg/L	20.0	90.8	70-130		8.39	20	
Benzene	19.9	0.50	µg/L	20.0	99.4	70-130		4.95	20	
Trichloroethene (TCE)	18.6	0.50	µg/L	20.0	93.2	70-130		2.91	20	

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Volatile Organics - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch T4A1411 - EPA 8260B										
LCS Dup (T4A1411-BSD1)				Prepared & Analyzed: 01/14/14						
Toluene	20.2	0.50	µg/L	20.0		101	70-130	2.63	20	
Chlorobenzene	20.6	0.50	µg/L	20.0		103	70-130	2.11	20	
Batch T4A1614 - EPA 8015B										
Blank (T4A1614-BLK1)				Prepared & Analyzed: 01/16/14						
Surrogate: 4-Bromofluorobenzene (FID)	*26.1*		*µg/L*	*25.0*		*104*	*75-125*			
Gasoline	ND	50	µg/L							
LCS (T4A1614-BS1)				Prepared & Analyzed: 01/16/14						
Surrogate: 4-Bromofluorobenzene (FID)	*23.9*		*µg/L*	*25.0*		*95.5*	*75-125*			
Gasoline	848	50	µg/L	1000		84.8	70-130		20	
LCS Dup (T4A1614-BSD1)				Prepared & Analyzed: 01/16/14						
Surrogate: 4-Bromofluorobenzene (FID)	*23.5*		*µg/L*	*25.0*		*93.9*	*75-125*			
Gasoline	851	50	µg/L	1000		85.1	70-130	0.336	20	
Batch U4B1419 - EPA 8015B										
LCS (U4B1419-BS1)				Prepared & Analyzed: 02/14/14						
Surrogate: 4-Bromofluorobenzene (FID)	*0.0607*		*mg/kg*	*0.0625*		*97.2*	*75-125*			
Gasoline	1.91	1.0	mg/kg	2.50		76.3	70-130		20	
LCS Dup (U4B1419-BSD1)				Prepared & Analyzed: 02/14/14						
Surrogate: 4-Bromofluorobenzene (FID)	*0.0744*		*mg/kg*	*0.0625*		*119*	*75-125*			
Gasoline	1.89	1.0	mg/kg	2.50		75.6	70-130	0.864	20	

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13071 Lab Reference Number: 1401068 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401068-01 Client Sample ID: FB-14@10 (4A13071-02)	Sampled: 01-11-14 Received: 01-17-14 Extracted: 01-23-14 Analyzed: 01-23-14 Reported: 01-31-14

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	ND
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.0050	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	ND
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	ND	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	**0.0095**
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	99.0%	Toluene-d8	98.6%
1,2-Dichloroethane-d4	94.2%	p-Bromofluorobenzene	116%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13071 Lab Reference Number: 1401068 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401068-02 Client Sample ID: FB-17@5 (4A13071-08)	Sampled: 01-12-14 Received: 01-17-14 Extracted: 01-23-14 Analyzed: 01-23-14 Reported: 01-31-14

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	ND
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.0050	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	ND
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	ND	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	**0.0070**
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	91.0%	Toluene-d8	99.3%
1,2-Dichloroethane-d4	88.3%	p-Bromofluorobenzene	114%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13071 Lab Reference Number: 1401068 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401068-03 Client Sample ID: FB-17@15 (4A13071-10)	Sampled: 01-12-14 Received: 01-17-14 Extracted: 01-23-14 Analyzed: 01-23-14 Reported: 01-31-14

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	ND
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.0050	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	ND
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	ND	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	**0.0067**
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	92.8%	Toluene-d8	94.8%
1,2-Dichloroethane-d4	93.0%	p-Bromofluorobenzene	111%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13071 Lab Reference Number: 1401068 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401068-04 Client Sample ID: FB-18@0.5 (4A13071-14)	Sampled: 01-12-14 Received: 01-17-14 Extracted: 01-23-14 Analyzed: 01-23-14 Reported: 01-31-14

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	**0.019**
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.0050	**0.0099**
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	ND
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	ND	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	**0.010**
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	**0.010**
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	102%	Toluene-d8	83.5%
1,2-Dichloroethane-d4	99.3%	p-Bromofluorobenzene	89.5%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13071 Lab Reference Number: 1401068 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401068-05 Client Sample ID: FB-18@5 (4A13071-15)	Sampled: 01-12-14 Received: 01-17-14 Extracted: 01-23-14 Analyzed: 01-23-14 Reported: 01-31-14

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	ND
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.0050	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	ND
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	ND	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	**0.0072**
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	93.6%	Toluene-d8	94.1%
1,2-Dichloroethane-d4	85.8%	p-Bromofluorobenzene	105%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13071 Lab Reference Number: 1401068 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401068-06 Client Sample ID: FB-18@10 (4A13071-16)	Sampled: 01-12-14 Received: 01-17-14 Extracted: 01-23-14 Analyzed: 01-23-14 Reported: 01-31-14

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	ND
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.0050	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	ND
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	ND	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	**0.0085**
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	96.7%	Toluene-d8	97.6%
1,2-Dichloroethane-d4	88.2%	p-Bromofluorobenzene	112%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13071 Lab Reference Number: 1401068 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401068-07 Client Sample ID: FB-18@20 (4A13071-18)	Sampled: 01-12-14 Received: 01-17-14 Extracted: 01-23-14 Analyzed: 01-23-14 Reported: 01-31-14

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	**0.0051**
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.0050	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	ND
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	ND	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	ND
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	93.5%	Toluene-d8	94.6%
1,2-Dichloroethane-d4	87.6%	p-Bromofluorobenzene	114%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13071 Lab Reference Number: 1401068 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401068-08 Client Sample ID: FB-22@15 (4A13071-23)	Sampled: 01-12-14 Received: 01-17-14 Extracted: 01-23-14 Analyzed: 01-23-14 Reported: 01-31-14

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	**0.033**
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.0050	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	**0.0056**
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	**0.012**	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	ND
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	95.6%	Toluene-d8	94.3%
1,2-Dichloroethane-d4	92.8%	p-Bromofluorobenzene	126%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13071 Lab Reference Number: 1401068 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401068-09 Client Sample ID: FB-22@15.5 (4A13071-24)	Sampled: 01-12-14 Received: 01-17-14 Extracted: 01-23-14 Analyzed: 01-23-14 Reported: 01-31-14

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.16	0.32	ND	Diethyl ether	0.020	0.040	ND
Acrylonitrile	0.16	0.32	ND	Ethylbenzene	0.020	0.040	ND
Allyl Chloride	0.020	0.040	ND	Ethyl methacrylate	0.020	0.040	ND
Benzene	0.020	0.040	ND	Hexachloro 1,3-butadiene	0.020	0.040	ND
Bromobenzene	0.020	0.040	ND	Hexachloroethane	0.020	0.040	ND
Bromochloromethane	0.020	0.040	ND	2-Hexanone (Methyl butyl ketone)	0.020	0.040	ND
Bromodichloromethane	0.020	0.040	ND	Iodomethane (Methyl iodide)	0.020	0.040	ND
Bromoform	0.020	0.040	ND	Isopropylbenzene	0.020	0.040	ND
Bromomethane	0.020	0.040	ND	p-Isopropyltoluene	0.020	0.040	ND
2-Butanone (MEK)	0.16	0.32	ND	Methacrylonitrile	0.020	0.040	ND
n-Butylbenzene	0.020	0.040	ND	Methyl acrylate	0.020	0.040	ND
sec-Butylbenzene	0.020	0.040	ND	Methylene chloride	0.040	0.08	ND
tert-Butylbenzene	0.020	0.040	ND	Methyl methacrylate	0.020	0.040	ND
Carbon disulfide	0.020	0.040	ND	4-Methyl 2-pentanone (MIBK)	0.020	0.040	ND
Carbon tetrachloride	0.020	0.040	ND	Napthalene	0.040	0.080	ND
Chlorobenzene	0.020	0.040	ND	Nitrobenzene	0.16	0.32	ND
1-Chlorobutane	0.020	0.040	ND	Pentachloroethane	0.020	0.040	ND
Chloroethane	0.020	0.040	ND	Proprionitrile	0.16	0.320	ND
Chloroform	0.020	0.040	ND	n-Propylbenzene	0.020	0.040	ND
Chloromethane	0.020	0.040	ND	Styrene	0.020	0.040	ND
2-Chlorotoluene	0.020	0.040	ND	1,1,1,2-Tetrachloroethane	0.020	0.040	ND
4-Chlorotoluene	0.020	0.040	ND	1,1,2,2,-Tetrachlorethane	0.020	0.040	ND
Dibromochloromethane	0.020	0.040	ND	Tetrachloroethene (PCE)	0.020	0.10	**5.4**
1,2-Dibromo 3-chloropropane (DBCP)	0.020	0.040	ND	Tetrahydrofuran (THF)	0.16	0.32	ND
1,2-Dibromoethane (EDB)	0.020	0.040	ND	Toluene	0.020	0.040	ND
Dibromomethane	0.020	0.040	ND	1,2,3-Trichlorobenzene	0.020	0.040	ND
1,2-Dichlorobenezene	0.020	0.040	ND	1,2,4-Trichlorobenzene	0.020	0.040	ND
1,3-Dichlorobenzene	0.020	0.040	ND	1,1,1-Trichloroethane	0.020	0.040	ND
1,4-Dichlorobenzene	0.020	0.040	ND	1,1,2-Trichloroethane	0.020	0.040	ND
trans-1,4-Dichloro-2-butene	0.020	0.040	ND	Trichloroethene (TCE)	0.020	0.040	**0.069**
Dichlorodifluoromethane	0.020	0.040	ND	Trichlorofluoromethane	0.020	0.040	ND
1,1-Dichloroethane	0.020	0.040	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.020	0.040	ND
1,2-Dichloroethane	0.020	0.040	ND	1,2,3-Trichloropropane	0.020	0.040	ND
1,1-Dichloroethene	0.020	0.040	ND	1,2,4-Trimethylbenzene	0.020	0.040	ND
cis-1,2-Dichloroethene	0.020	0.040	ND	1,3,5-Trimethylbenzene	0.020	0.040	ND
trans-1,2-Dichloroethene	0.020	0.040	ND	Vinyl Chloride	0.020	0.040	ND
1,2-Dichloropropane	0.020	0.040	ND	Xylenes, total	0.020	0.040	ND
1,3-Dichloropropane	0.020	0.040	ND	**Oxygenates**			
2,2-Dichloropropane	0.020	0.040	ND	tert-Butyl Alcohol (tBA)	0.40	0.80	ND
1,1-Dichloropropene	0.020	0.040	ND	Methyl tert-Butyl Ether (MTBE)	0.020	0.040	ND
1,1-Dichloro-2-propanone	0.020	0.040	ND	Di-Isopropyl Ether (DIPE)	0.020	0.040	ND
cis-1,3-Dichloropropene	0.020	0.040	ND	Ethyl tert-Butyl Ether (EtBE)	0.020	0.040	ND
trans-1,3-Dichloropropene	0.020	0.040	ND	tert-Amyl Methyl Ether (tAME)	0.020	0.040	ND

Surrogate Recoveries

Dibromofluoromethane	104%	Toluene-d8	100%
1,2-Dichloroethane-d4	78.2%	p-Bromofluorobenzene	198%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: Clari J. Cone

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13071 Lab Reference Number: 1401068 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401068-10 Client Sample ID: FB-22@18 (4A13071-25)	Sampled: 01-12-14 Received: 01-17-14 Extracted: 01-23-14 Analyzed: 01-23-14 Reported: 01-31-14

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	**0.11**
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.0050	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	**0.025**
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	**0.083**	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	ND
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	100%	Toluene-d8	95.8%
1,2-Dichloroethane-d4	94.6%	p-Bromofluorobenzene	119%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc.
2527 Fresno St.
Fresno, CA 93721
Attn: Julio Morales

Client Project ID: 4A13071
Lab Reference Number: 1401068
Sample Description: Soil
Sample Prep/Analysis Method: EPA 5030/8260
Lab Number: 1401068-11
Client Sample ID: FB-26@5 (4A13071-30)

Sampled: 01-12-14
Received: 01-17-14
Extracted: 01-23-14
Analyzed: 01-23-14
Reported: 01-31-14

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	ND
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.0050	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	ND
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	ND	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	**0.0080**
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	92.0%	Toluene-d8	97.2%
1,2-Dichloroethane-d4	96.2%	p-Bromofluorobenzene	115%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13071 Lab Reference Number: 1401068 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401068-12 Client Sample ID: FB-26@15 (4A13071-32)	Sampled: 01-12-14 Received: 01-17-14 Extracted: 01-23-14 Analyzed: 01-23-14 Reported: 01-31-14

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040		Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	ND
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.0050	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	ND
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	ND	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	**0.0063**
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	96.9%	Toluene-d8	97.0%
1,2-Dichloroethane-d4	97.5%	p-Bromofluorobenzene	114%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13071 Lab Reference Number: 1401068 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401068-13 Client Sample ID: FB-26@20 (4A13071-33)	Sampled: 01-12-14 Received: 01-17-14 Extracted: 01-23-14 Analyzed: 01-23-14 Reported: 01-31-14

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	**0.021**
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.0050	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	ND
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	**0.0068**	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	ND
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	94.2%	Toluene-d8	95.5%
1,2-Dichloroethane-d4	97.2%	p-Bromofluorobenzene	116%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc.	Client Project ID: 4A13071	Method: EPA 5030/8260B
2527 Fresno St.	Lab Reference Number: 1401068 (01-08, 10-13)	Instrument ID: VARIAN MS
Fresno, CA 93721	Sample Description: Soil	Prepared: 01-23-14
Attn: Julio Morales	Sample Prep/Analysis Method: EPA 5030/8260B	Analyzed: 01-23-14
		Reported: 01-31-14

QUALITY CONTROL DATA REPORT

SPIKE ID: VSMS-1234

	Reporting Limit mg/Kg	BLANK Result mg/Kg	Spiking Level mg/Kg	Control Spike %R	%R Limits
COMPOUNDS					
t-Butyl Alcohol (t-BA)	0.10	ND	3.0	119%	45.9 - 164.2
Methyl t-butyl ether (MTBE)	0.0050	ND	0.10	118%	52.7 - 143.2
Diisopropyl ether (DIPE)	0.0050	ND	0.10	112%	50.0 - 152.9
Ethyl t-Butyl ether (ETBE)	0.0050	ND	0.10	110%	42.0 - 155.8
t-Amyl methyl ether (TAME)	0.0050	ND	0.10	102%	39.5 - 154.3
1,2-Dichloroethane (1,2-DCA)	0.0050	ND	0.10	95.2%	49.6 - 166.5
Ethylene dibromide (EDB)	0.0050	ND	0.10	116%	68.2 - 134.0
1,1-Dichloroethene (1,1,DCE)	0.0050	ND	0.10	70.0%	50.9 - 160.7
Benzene	0.0050	ND	0.10	97.2%	66.6 - 144.6
Trichloroethene (TCE)	0.0050	ND	0.10	101%	65.8 - 150.0
Toluene	0.0050	ND	0.10	115%	72.7 - 138.3
Chlorobenzene	0.0050	ND	0.10	113%	66.5 - 142.2
Surrogate:					
Dibromofluoromethane	0.010	90.5%	0.40	101%	59.1 - 167.9
1,2-Dichloroethane-d4	0.010	89.3%	0.40	95.3%	65.2 - 148.6
Toluene-d8	0.010	97.0%	0.40	99.7%	74.3 - 141.2
4-Bromofluorobenzene	0.010	117%	0.40	106%	79.7 - 128.9

	Spiking Level mg/Kg	MATRIX SPIKE %R	MATRIX SPIKE DUP %R	%R Limits	%RPD
COMPOUNDS					
t-Butyl Alcohol (t-BA)	3.0	84.5%	96.1%	35.7 - 169.9	12.5%
Methyl t-butyl ether (MTBE)	0.10	92.4%	76.8%	46.6 - 144.2	9.74%
Diisopropyl ether (DIPE)	0.10	105%	102.8%	56.5 - 125.2	2.31%
Ethyl t-Butyl ether (ETBE)	0.10	100%	98.4%	57.1 - 127.9	1.14%
t-Amyl methyl ether (TAME)	0.10	91.2%	92.8%	54.9 - 117.2	1.67%
1,2-Dichloroethane (1,2-DCA)	0.10	92.0%	85.2%	48.1 - 144.3	7.16%
Ethylene dibromide (EDB)	0.10	105%	102%	53.3 - 132.8	2.32%
1,1-Dichloroethene (1,1,DCE)	0.10	65.6%	68.0%	22.0 - 158.9	3.59%
Benzene	0.10	90.8%	87.6%	61.1 - 124.9	3.43%
Trichloroethene (TCE)	0.10	104%	115%	52.7 - 142.3	7.59%
Toluene	0.10	95.6%	90.0%	56.2 - 122.3	4.84%
Chlorobenzene	0.10	108%	106%	53.8 - 132.7	1.12%
Surrogate:					
Dibromofluoromethane	0.40	95.8%	96.8%	52.0 - 154.4	1.04%
1,2-Dichloroethane-d4	0.40	97.4%	98.3%	55.7 - 147.1	0.920%
Toluene-d8	0.40	98.5%	96.6%	61.0 - 134.2	1.95%
4-Bromofluorobenzene	0.40	108%	99.7%	47.9 - 144.0	7.90%

APPROVED BY: _____

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Certificate #2480

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Moore Twining Associates, Inc.	Client Project ID: 4A13071	Method: EPA 5030/8260B
2527 Fresno St.	Lab Reference Number: 1401068-09	Instrument ID: VARIAN MS
Fresno, CA 93721	Sample Description: Soil	Prepared: 01-24-14
Attn: Julio Morales	Sample Prep/Analysis Method: EPA 5030/8260B	Analyzed: 01-24-14
		Reported: 01-31-14

QUALITY CONTROL DATA REPORT

SPIKE ID: VSMS-1244 ME

	Reporting Limit mg/Kg	BLANK Result mg/Kg	Spiking Level mg/Kg	Control Spike %R	%R Limits
COMPOUNDS					
t-Butyl Alcohol (t-BA)	0.80	ND	3.0	NA*	70-130
Methyl t-butyl ether (MTBE)	0.0200	ND	0.10	NA*	70-130
Diisopropyl ether (DIPE)	0.0200	ND	0.10	NA*	70-130
Ethyl t-Butyl ether (ETBE)	0.0200	ND	0.10	NA*	70-130
t-Amyl methyl ether (TAME)	0.0200	ND	0.10	NA*	70-130
1,2-Dichloroethane (1,2-DCA)	0.0200	ND	0.10	NA*	70-130
Ethylene dibromide (EDB)	0.0200	ND	0.10	NA*	70-130
1,1-Dichloroethene (1,1,DCE)	0.0200	ND	0.10	NA*	70-130
Benzene	0.0200	ND	0.10	NA*	70-130
Trichloroethene (TCE)	0.0200	ND	0.10	NA*	70-130
Toluene	0.0200	ND	0.10	NA*	70-130
Chlorobenzene	0.0200	ND	0.10	NA*	70-130
Surrogate:					
Dibromofluoromethane	0.400	123%	0.40	NA*	70-130
1,2-Dichloroethane-d4	0.400	117.3%	0.40	NA*	70-130
Toluene-d8	0.400	121.4%	0.40	NA*	70-130
4-Bromofluorobenzene	0.400	141%	0.40	NA*	70-130

	Spiking Level mg/Kg	CONTOL SPIKE %R	CONTOL SPIKE DUP %R	%R Limits	%RPD
COMPOUNDS					
t-Butyl Alcohol (t-BA)	3.0	57.4%	65.9%	60-130%	13.7%
Methyl t-butyl ether (MTBE)	0.10	102%	103%	70-130%	1.17%
Diisopropyl ether (DIPE)	0.10	96.8%	96.4%	70-130%	0.414%
Ethyl t-Butyl ether (ETBE)	0.10	94.4%	93.8%	70-130%	0.595%
t-Amyl methyl ether (TAME)	0.10	97.2%	101%	70-130%	3.95%
1,2-Dichloroethane (1,2-DCA)	0.10	73.6%	78.7%	70-130%	6.72%
Ethylene dibromide (EDB)	0.10	96.4%	103%	70-130%	6.93%
1,1-Dichloroethene (1,1,DCE)	0.10	87.2%	87.3%	60-130%	0.138%
Benzene	0.10	94.0%	94.3%	70-130%	0.340%
Trichloroethene (TCE)	0.10	90.3%	85.6%	70-130%	5.37%
Toluene	0.10	90.3%	95.9%	70-130%	6.02%
Chlorobenzene	0.10	91.7%	91.2%	70-130%	0.569%
Surrogate:					
Dibromofluoromethane	0.40	103%	114%	70-130%	10.4%
1,2-Dichloroethane-d4	0.40	106%	114%	70-130%	7.91%
Toluene-d8	0.40	107%	111%	70-130%	3.88%
4-Bromofluorobenzene	0.40	119%	115%	70-130%	3.72%

* See Control Spike and Control Spike Duplicate

APPROVED BY: _____

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13071 Lab Reference Number: 1401068 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8015B Lab Numbers: 1401068-01, 02, 03, 04, 05	Sampled: See Below Received: 01-17-14 Extracted: 01-22-14 Analyzed: 01-22-14 Reported: 01-31-14

TOTAL PETROLEUM HYDROCARBONS - GASOLINE

ANALYTE	REPORTING LIMIT (mg/kg)	SAMPLE ID FB-14@10 (4A13071-02) (mg/kg)	SAMPLE ID FB-17@5 (4A13071-08) (mg/kg)	SAMPLE ID FB-17@15 (4A13071-10) (mg/kg)	SAMPLE ID FB-18@0.5 (4A13071-14) (mg/kg)	SAMPLE ID FB-18@5 (4A13071-15) (mg/kg)
GASOLINE RANGE HYDROCARBONS C6-C10	1.0	ND	ND	ND	ND	ND
Report Limit Multiplication Factor:		1	1	1	1	2
Date Sampled:		01-11-14	01-12-14	01-12-14	01-12-14	01-12-14

Surrogate % Recovery:	FID: 74.1%	FID: 76.8%	FID: 65.6%	FID: 134%	FID: 89.6%
Instrument ID:	HP-GC1	HP-GC1	HP-GC1	HP-GC1	HP-GC1

Analytes reported as ND were not detected or below the Practical Quantitation Limit
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13071 Lab Reference Number: 1401068 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8015B Lab Numbers: 1401068-06, 07, 08, 09, 10	Sampled: 01-12-14 Received: 01-17-14 Extracted: 01-22-14 Analyzed: 01-22-14 Reported: 01-32-14

TOTAL PETROLEUM HYDROCARBONS - GASOLINE

ANALYTE	REPORTING LIMIT (mg/kg)	SAMPLE ID FB-18@10 (4A13071-16) (mg/kg)	SAMPLE ID FB-18@20 (4A13071-18) (mg/kg)	SAMPLE ID FB-22@15 (4A13071-23) (mg/kg)	SAMPLE ID FB-22@15.5 (4A13071-24) (mg/kg)	SAMPLE ID FB-22@18 (4A13071-25) (mg/kg)
GASOLINE RANGE HYDROCARBONS C6-C10	1.0	ND	ND	ND	78	ND
Report Limit Multiplication Factor:		1	1	1	10	1
					non-gasoline pattern heavier hydrocarbons	

Surrogate % Recovery:	FID: 68.7%	FID: 64.4%	FID: 66.9%	NA	FID: 61.9%
Instrument ID:	HP-GC1	HP-GC1	HP-GC1	HP-GC1	HP-GC1

Analytes reported as ND were not detected or below the Practical Quantitation Limit
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor

APPROVED BY: Clari Cone

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13071 Lab Reference Number: 1401068 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8015B Lab Numbers: 1401068-11, 12, 13	Sampled: 01-12-14 Received: 01-17-14 Extracted: 01-22-14 Analyzed: 01-22-14 Reported: 01-31-14

TOTAL PETROLEUM HYDROCARBONS - GASOLINE

ANALYTE	REPORTING LIMIT (mg/kg)	SAMPLE ID FB-26@5 (4A13071-30) (mg/kg)	SAMPLE ID FB-26@15 (4A13071-32) (mg/kg)	SAMPLE ID FB-26@20 (4A13071-33) (mg/kg)
GASOLINE RANGE HYDROCARBONS C6-C10	1.0	ND	ND	ND
Report Limit Multiplication Factor:		1	1	1

Surrogate % Recovery:	FID: 73.3%	FID:74.1%	FID: 62.7%
Instrument ID:	HP-GC1	HP-GC1	HP-GC1

Analytes reported as ND were not detected or below the Practical Quantitation Limit
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor

APPROVED BY: Clari Cone

James C. Phillips / Laboratory Director or
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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13071 Lab Reference Number: 1401068 Sample Description: Soil Analyst: Clari Cone	Method: EPA 5030/8015M,8020 Instrument ID: HP-GC1 Extracted: 01-22-14 Analyzed: 01-22-14 Reported: 01-31-14

QUALITY CONTROL DATA REPORT

ANALYTE	Gasoline

Spike Concentration:	3.87
Units:	mg/kg
LCS Batch #:	VS-1224
LCS % Recovery:	110%
Surrogate Recovery:	100%
Control Limits:	70-130 %

MS/MSD Batch #:	VS-1224
MS % Recovery:	77.2%
Surrogate Recovery:	77.2%
MSD % Recovery:	81.7%
Surrogate Recovery:	77.1%
Relative % Difference:	5.53%
Methanol Blank :	ND
Surrogate Recovery:	105%

Please Note:
The LCS (Laboratory Check Sample) is a control sample of known, interferent free matrix that is fortified with representative analytes and analyzed using the same reagents, preparation and analytical methods employed for the samples. The LCS % recovery is used for validation of sample batch results. Due to matrix effects, the QC limits and recoveries for MS/MSD's are advisory only and are not used to accept or reject batch results.

APPROVED BY: Clari Cone

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

MOORE TWINING ASSOCIATES, INC

SUBCONTRACT ORDER - Purchase Order # 196607

California ELAP Certification # 1371

MTA Project # 4A13071

Please reference these numbers on all reports and invoices:
We also request QC data be provided with final report.

SENDING LABORATORY:

Moore Twining Associates, Inc.
2527 Fresno Street
Fresno, CA 93721
Phone: (559) 268-7021
Fax: (559) 268-0740
Project Manager: Julio Morales

RECEIVING LABORATORY:

Castle Analytical Laboratory
2333 Shuttle Drive
Atwater, CA 95301
Phone :(209) 384-2930
Fax: (209) 384-1507

Please Include TPH G!

H01068

Sample Comments

01 **Client Sample ID#: FB-14@10**

MTA Sample ID: 4A13071-02 Matrix: Soil **Sampled: 01/11/14 13:19** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining — Holding time expires: 01/25/14 13:19 — Please include TPH-G
Containers Supplied:

02 **Client Sample ID#: FB-17@5**

MTA Sample ID: 4A13071-08 Matrix: Soil **Sampled: 01/12/14 08:32** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining — Holding time expires: 01/26/14 08:32 — Please include TPH-G
Containers Supplied:

03 **Client Sample ID#: FB-17@15**

MTA Sample ID: 4A13071-10 Matrix: Soil **Sampled: 01/12/14 08:44** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining — Holding time expires: 01/26/14 08:44 — Please include TPH-G
Containers Supplied:

04 **Client Sample ID#: FB-18@0.5**

MTA Sample ID: 4A13071-14 Matrix: Soil **Sampled: 01/12/14 09:46** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining — Holding time expires: 01/26/14 09:46 — Please include TPH-G
Containers Supplied:

Released By	Date	Received By	Date
[signature]	1/16/14	[signature]	1/17/14 10:00

Please fax copy of receipt with your assigned sample ID number to (559) 268-0740

MOORE TWINING ASSOCIATES, INC

SUBCONTRACT ORDER - Purchase Order # 19607

California ELAP Certification # 1371

MTA Project # 4A13071

Please reference these numbers on all reports and invoices:
We also request QC data be provided with final report.

K01068

Sample Comments

-05 **Client Sample ID#: FB-18@5**

MTA Sample ID: 4A13071-15 Matrix: Soil **Sampled: 01/12/14 09:50** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/26/14 09:50 Please include TPH-G

Containers Supplied:

-06 **Client Sample ID#: FB-18@10**

MTA Sample ID: 4A13071-16 Matrix: Soil **Sampled: 01/12/14 09:56** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/26/14 09:56 Please include TPH-G

Containers Supplied:

-07 **Client Sample ID#: FB-18@20**

MTA Sample ID: 4A13071-18 Matrix: Soil **Sampled: 01/12/14 10:18** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/26/14 10:18 Please include TPH-G

Containers Supplied:

-08 **Client Sample ID#: FB-22@15**

MTA Sample ID: 4A13071-23 Matrix: Soil **Sampled: 01/11/14 11:35** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/25/14 11:35 Please include TPH-G

Containers Supplied:

-09 **Client Sample ID#: FB-22@15.5**

MTA Sample ID: 4A13071-24 Matrix: Soil **Sampled: 01/11/14 11:57** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/25/14 11:57 Please include TPH-G

Containers Supplied:

Released By	Date	Received By	Date
[illegible]	1/16/14	Elaine Phillips	1/17/14 1000

Please fax copy of receipt with your assigned sample ID number to (559) 268-0740 Page 2 of 3

MOORE TWINING ASSOCIATES INC.

SUBCONTRACT ORDER - Purchase Order # 19607

California ELAP Certification # 1371

MTA Project # 4A13071

Please reference these numbers on all reports and invoices:
We also request QC data be provided with final report.

1401068

Sample Comments

-10 **Client Sample ID#: FB-22@18**

MTA Sample ID: 4A13071-25 Matrix: Soil **Sampled: 01/11/14 12:16** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/25/14 12:16 Please include TPH-G

Containers Supplied:

-11 **Client Sample ID#: FB-26@5**

MTA Sample ID: 4A13071-30 Matrix: Soil **Sampled: 01/12/14 11:13** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/26/14 11:13 Please include TPH-G

Containers Supplied:

-12 **Client Sample ID#: FB-26@15**

MTA Sample ID: 4A13071-32 Matrix: Soil **Sampled: 01/12/14 11:20** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/26/14 11:20 Please include TPH-G

Containers Supplied:

-13 **Client Sample ID#: FB-26@20**

MTA Sample ID: 4A13071-33 Matrix: Soil **Sampled: 01/12/14 11:33** **Report Due to Client: 01/27/14**

Requested Analysis: 8260B Twining Holding time expires: 01/26/14 11:33 Please include TPH-G

Containers Supplied:

Released By	Date	Received By	Date
NB	1/16/14	Elaine Phillips	1/17/14 1000
Released By	Date	Received By	Date

Please fax copy of receipt with your assigned sample ID number to (559) 268-0740 Page 3 of 3

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate No. 2480

2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
Fax: (209) 384-1507

Moore Twining Associates, Inc. 2527 Fresno Street Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13071 Lab Reference Number: 1401076 Sample Description: Water Sample Prep/Analysis Method: LUFT/EPA 8015B Lab Numbers: 1401076-01, 02, 03, 04, 05	Sampled: See Below Received: 01-21-14 Extracted: 01-24-14 Analyzed: 01-24-14 Reported: 02-05-14

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

ANALYTE	REPORTING LIMIT (µg/L)	SAMPLE ID FB-14 (4A13071-06) (µg/L)	SAMPLE ID FB-17 (4A13071-13) (µg/L)	SAMPLE ID FB-18 (4A13071-20) (µg/L)	SAMPLE ID FB-22 (4A13071-28) (µg/L)	SAMPLE ID FB-26 (4A13071-35) (µg/L)
STODDARD SOLVENT HYDROCARBONS C8->C14	100	ND	ND	ND	500 270 (SGT)	ND
DIESEL RANGE HYDROCARBONS C10->C22	100	ND	ND	ND	150* 110 (SGT)	ND
MOTOR OIL RANGE HYDROCARBONS C22->C40	500	ND	ND	ND	ND	ND
Report Limit Multiplication Factor:		1	1	1	1	1
Date Sampled:		01-11-14	01-12-14	01-12-14	01-11-14	01-12-14

SGT = Silica Gel column clean-up.
*Non-diesel pattern; overlap of stoddard solvent into diesel range.

o-Terphenyl Surrogate % Recovery:	112%	118%	117%	118%	118%
Instrument ID:	HP-GC1	HP-GC1	HP-GC1	HP-GC1	HP-GC1

Analytes reported as ND were not detected or below the Practical Quantitation Limit
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor
MDL = Method Detection Limit - (J) indicates a value between the MDL and the Reporting Limit

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY
Environmental Testing Services
Certificate No. 2480
2333 Shuttle Drive, Atwater, CA 95301
Phone: (209) 384-2930
Fax: (209) 384-1507

Moore Twining Associates, Inc. 2527 Fresno Street Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A13071 Lab Reference Number: 1401076 Sample Description: Water	Method: LUFT/EPA 8015B Instrument ID: HP-GC1 Extracted: 01-24-14 Analyzed: 01-24-14 Reported: 02-05-14

QUALITY CONTROL DATA REPORT

ANALYTE	TPH-Diesel
Spike Concentration:	194
Units:	ug/L
Batch #:	TPHDW-1244
Method Blank:	ND
LCSA % Recovery:	99.8%
LCSB % Recovery:	104%
Control Limits:	60-130 %
Relative % Difference:	4.5%
MS/MSD Batch #:	TPHDW-1244
MS % Recovery:	NA
MSD % Recovery:	NA
Relative % Difference:	NA

Note: Insufficient sample material to prepare MS/MSD samples. LCS samples prepared in duplicate.

The LCS (Laboratory Check Sample) is a control sample of known, interferent free matrix that is fortified with representative analytes and analyzed using the same reagents, preparation and analytical methods employed for the samples. The LCS % recovery is used for validation of sample batch results. Due to matrix effects, the QC limits and recoveries for MS/MSD's are advisory only and are not used to accept or reject batch results.

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

MOORE TWINING ASSOCIATES, INC.

SUBCONTRACT ORDER - Purchase Order # 19614

California ELAP Certification # 1371

MTA Project # 4A13071

Please reference these numbers on all reports and invoices:

We also request QC data be provided with final report.

SENDING LABORATORY:

Moore Twining Associates, Inc.
2527 Fresno Street
Fresno, CA 93721
Phone: (559) 268-7021
Fax: (559) 268-0740
Project Manager: Julio Morales

RECEIVING LABORATORY:

Castle Analytical Laboratory
2333 Shuttle Drive
Atwater, CA 95301
Phone :(209) 384-2930
Fax: (209) 384-1507

K01076

Sample Comments

Client Sample ID#: FB-14@10

MTA Sample ID: 4A13071-02 Matrix: Soil **Sampled: 01/11/14 13:19** **Report Due to Client: 01/27/14**

[redacted]

Containers Supplied:

0142 Client Sample ID#: FB-14

MTA Sample ID: 4A13071-06 Matrix: Water **Sampled: 01/11/14 14:25** **Report Due to Client: 01/27/14**

Requested Analysis: TPH-D (C10-C28)	Holding time expires: 01/25/14 14:25	Please submit Chromatogram with data
Requested Analysis: TPH-MO - SGT (C14-C40)	Holding time expires: 01/25/14 14:25	Please submit Chromatogram with data
Requested Analysis: TPH-MO (C14-C40)	Holding time expires: 01/25/14 14:25	Please submit Chromatogram with data
Requested Analysis: TPH-D (SGT)	Holding time expires: 01/25/14 14:25	Please submit Chromatogram with data

Containers Supplied:

1L Amber Glass
Unpreserved (A)

*Stoddard solvent

Client Sample ID#: FB-17@5

MTA Sample ID: 4A13071-08 Matrix: Soil **Sampled: 01/12/14 08:32** **Report Due to Client: 01/27/14**

[redacted]

Containers Supplied:

Released By	Date	Received By	Date
[signature]	1/20/14	[signature]	1/21/14 10:30am
Released By	Date	Received By	Date

Please fax copy of receipt with your assigned sample ID number to (559) 268-0740 Page 1 of 5

MOORE TWINING ASSOCIATES, INC

SUBCONTRACT ORDER - Purchase Order # 19614

California ELAP Certification # 1371

MTA Project # 4A13071

Please reference these numbers on all reports and invoices:
We also request QC data be provided with final report.

1401076 **Sample Comments**

Client Sample ID#: FB-17@15

MTA Sample ID: 4A13071-10 Matrix: Soil **Sampled: 01/12/14 08:44** **Report Due to Client: 01/27/14**

[redacted]

Containers Supplied:

Client Sample ID#: FB-17

MTA Sample ID: 4A13071-13 Matrix: Water **Sampled: 01/12/14 09:23** **Report Due to Client: 01/27/14**

Requested Analysis: TPH-D (C10-C28)	Holding time expires: 01/26/14 09:23	Please submit Chromatogram with data
Requested Analysis: TPH-MO (C14-C40)	Holding time expires: 01/26/14 09:23	Please submit Chromatogram with data*
Requested Analysis: TPH-D (SGT)	Holding time expires: 01/26/14 09:23	Please submit Chromatogram with data
Requested Analysis: TPH-MO - SGT (C14-C40)	Holding time expires: 01/26/14 09:23	Please submit Chromatogram with data

Containers Supplied:
1L Amber Glass
Unpreserved (C)

* Stoddard solvent

Client Sample ID#: FB-18@0.5

MTA Sample ID: 4A13071-14 Matrix: Soil **Sampled: 01/12/14 09:46** **Report Due to Client: 01/27/14**

[redacted]

Containers Supplied:

Client Sample ID#: FB-18@5

MTA Sample ID: 4A13071-15 Matrix: Soil **Sampled: 01/12/14 09:50** **Report Due to Client: 01/27/14**

[redacted]

Containers Supplied:

Released By	Date	Received By	Date
[signature]	1/20/14	[signature]	1/21/14 10:30am
Released By	Date	Received By	Date

Please fax copy of receipt with your assigned sample ID number to (559) 268-0740 Page 2 of 5

MOORE TWINING ASSOCIATES, INC.

SUBCONTRACT ORDER - Purchase Order # 19614

California ELAP Certification # 1371

MTA Project # 4A13071

Please reference these numbers on all reports and invoices:
We also request QC data be provided with final report.

1401076

Sample Comments

Client Sample ID#: FB-18@10

MTA Sample ID: 4A13071-16 Matrix: Soil **Sampled: 01/12/14 09:56** **Report Due to Client: 01/27/14**

[redacted]

Containers Supplied:

Client Sample ID#: FB-18@20

MTA Sample ID: 4A13071-18 Matrix: Soil **Sampled: 01/12/14 10:18** **Report Due to Client: 01/27/14**

[redacted]

Containers Supplied:

-0320

Client Sample ID#: FB-18

MTA Sample ID: 4A13071-20 Matrix: Water **Sampled: 01/12/14 10:38** **Report Due to Client: 01/27/14**

Requested Analysis: TPH-MO (C14-C40)	Holding time expires: 01/26/14 10:38	Please submit Chromatogram with data
Requested Analysis: TPH-MO - SGT (C14-C40)	Holding time expires: 01/26/14 10:38	Please submit Chromatogram with data
Requested Analysis: TPH-D (C10-C28)	Holding time expires: 01/26/14 10:38	Please submit Chromatogram with data
Requested Analysis: TPH-D (SGT)	Holding time expires: 01/26/14 10:38	Please submit Chromatogram with data

Containers Supplied:

1L Amber Glass
Unpreserved (C)

*stoddard solvent

Client Sample ID#: FB-22@15

MTA Sample ID: 4A13071-23 Matrix: Soil **Sampled: 01/11/14 11:35** **Report Due to Client: 01/27/14**

[redacted]

Containers Supplied:

Released By	Date	Received By	Date
[signature]	1/20/14	[signature]	1/21/14 10:30
Released By	Date	Received By	Date

Please fax copy of receipt with your assigned sample ID number to (559) 268-0740 Page 3 of 5

MOORE TWINING ASSOCIATES, INC.

SUBCONTRACT ORDER - Purchase Order # 19614

California ELAP Certification # 1371

MTA Project # 4A13071

Please reference these numbers on all reports and invoices:
We also request QC data be provided with final report.

1401076 — **Sample Comments**

Client Sample ID#: FB-22@15.5

MTA Sample ID: 4A13071-24 Matrix: Soil — **Sampled: 01/11/14 11:57** — **Report Due to Client: 01/27/14**

[redacted]

Containers Supplied:

Client Sample ID#: FB-22@18

MTA Sample ID: 4A13071-25 Matrix: Soil — **Sampled: 01/11/14 12:16** — **Report Due to Client: 01/27/14**

[redacted]

Containers Supplied:

-040

Client Sample ID#: FB-22

MTA Sample ID: 4A13071-28 Matrix: Water — **Sampled: 01/11/14 12:00** — **Report Due to Client: 01/27/14**

Requested Analysis: TPH-MO - SGT (C14-C40)	Holding time expires: 01/25/14 12:00	Please submit Chromatogram with data
Requested Analysis: TPH-D (SGT)	Holding time expires: 01/25/14 12:00	Please submit Chromatogram with data
Requested Analysis: TPH-D (C10-C28)	Holding time expires: 01/25/14 12:00	Please submit Chromatogram with data
Requested Analysis: TPH-MO (C14-C40)	Holding time expires: 01/25/14 12:00	Please submit Chromatogram with data

Containers Supplied:

1L Amber Glass
Unpreserved (B)

* Stoddard solvent

Client Sample ID#: FB-26@5

MTA Sample ID: 4A13071-30 Matrix: Soil — **Sampled: 01/12/14 11:13** — **Report Due to Client: 01/27/14**

[redacted]

Containers Supplied:

Released By	Date	Received By	Date
[signature]	1/20/14	[signature]	1/21/14 10:30

Please fax copy of receipt with your assigned sample ID number to (559) 268-0740 Page 4 of 5

MOORE TWINING ASSOCIATES, INC.

SUBCONTRACT ORDER - Purchase Order # 19614

California ELAP Certification # 1371

MTA Project # 4A13071

Please reference these numbers on all reports and invoices:
We also request QC data be provided with final report.

1401076 — **Sample Comments**

Client Sample ID#: FB-26@15

MTA Sample ID: 4A13071-32 Matrix: Soil **Sampled: 01/12/14 11:20** **Report Due to Client: 01/27/14**

[redacted]

Containers Supplied:

Client Sample ID#: FB-26@20

MTA Sample ID: 4A13071-33 Matrix: Soil **Sampled: 01/12/14 11:33** **Report Due to Client: 01/27/14**

[redacted]

Containers Supplied:

0512

Client Sample ID#: FB-26

MTA Sample ID: 4A13071-35 Matrix: Water **Sampled: 01/12/14 12:10** **Report Due to Client: 01/27/14**

Requested Analysis: TPH-MO (C14-C40)	Holding time expires: 01/26/14 12:10	Please submit Chromatogram with data
Requested Analysis: TPH-D (C10-C28)	Holding time expires: 01/26/14 12:10	Please submit Chromatogram with data
Requested Analysis: TPH-D (SGT)	Holding time expires: 01/26/14 12:10	Please submit Chromatogram with data
Requested Analysis: TPH-MO - SGT (C14-C40)	Holding time expires: 01/26/14 12:10	Please submit Chromatogram with data

Containers Supplied:
1L Amber Glass
Unpreserved (A)

*stoddard solvent

Released By	Date	Received By	Date
[signature]	1/20/14	[signature]	1/21/14 10:30
Released By	Date	Received By	Date

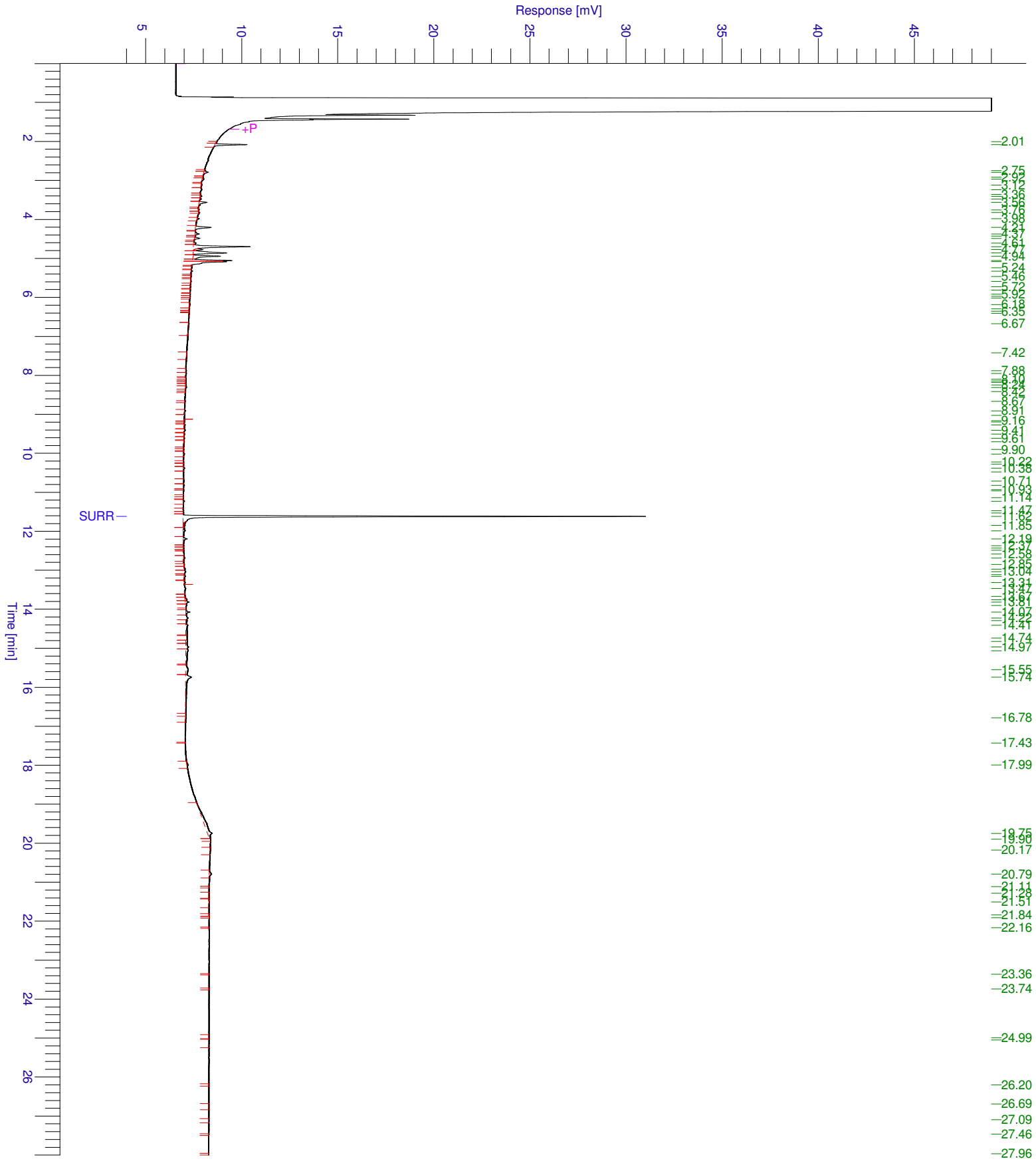
Please fax copy of receipt with your assigned sample ID number to (559) 268-0740 Page 5 of 5

Chromatogram

Sample Name : TPHDW-C-1244 Sample #: 38

Diesel Water Method Blank

FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\012314A038.raw
Date : 2/7/2014 2:09:21 PM
Method : 010714TEPH.mth Time of Injection: 1/24/2014 8:06:29 PM
Start Time : 0.00 min End Time : 28.00 min Low Point : 4.00 mV High Point : 49.00 mV
Plot Offset: 4.00 mV Plot Scale: 45.0 mV

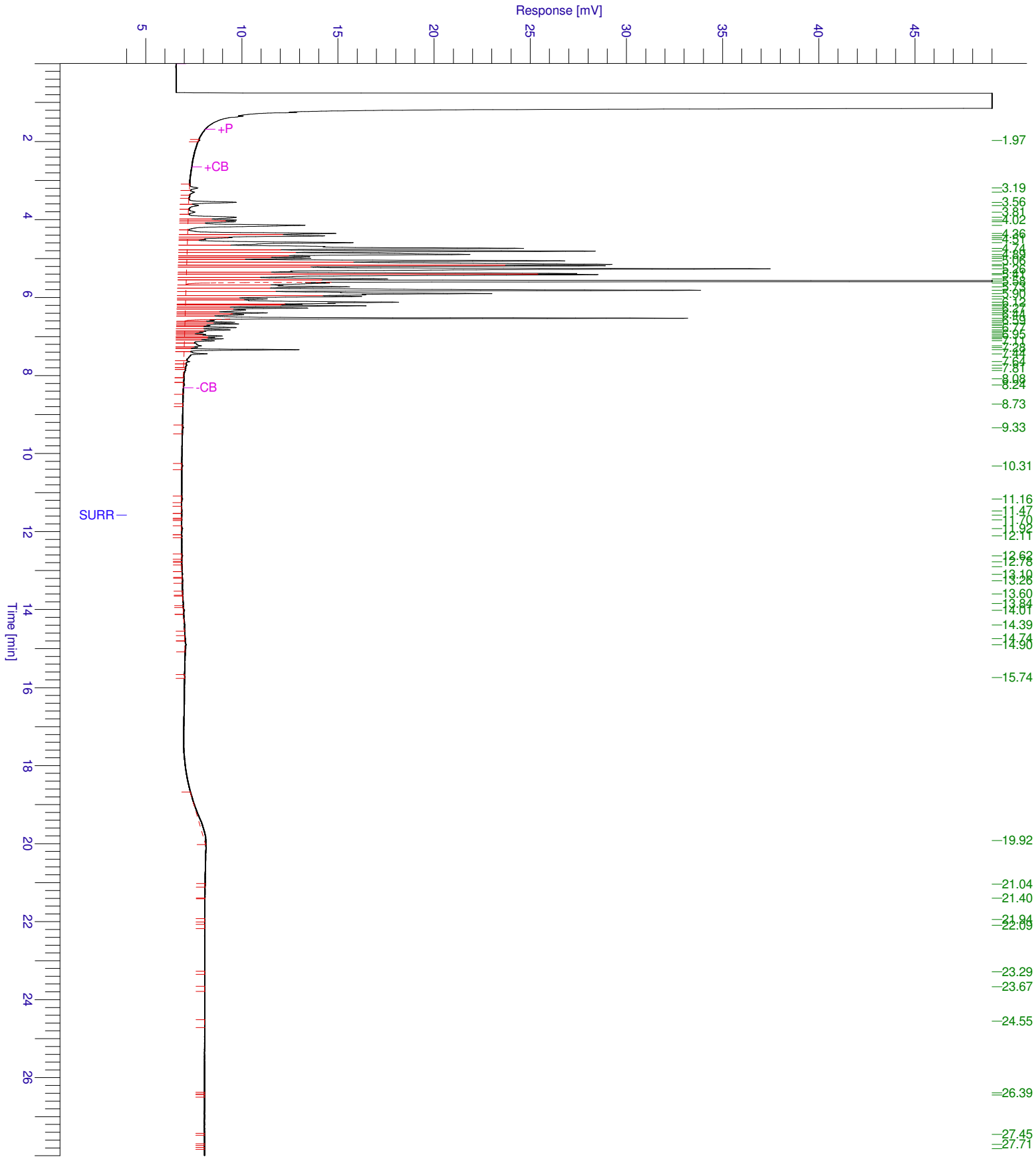


Chromatogram

Sample Name : 200 ppm Stoddard Solvent Std Sample #: 58 Page 1 of 1

1000 ppb Stoddard Solvent Std (Water Concentration)

FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\012314a058.raw
Date : 2/7/2014 2:07:27 PM
Method : 010714TEPH.mth Time of Injection: 1/25/2014 11:25:35 AM
Start Time : 0.00 min End Time : 28.00 min Low Point : 4.00 mV High Point : 49.00 mV
Plot Offset: 4.00 mV Plot Scale: 45.0 mV

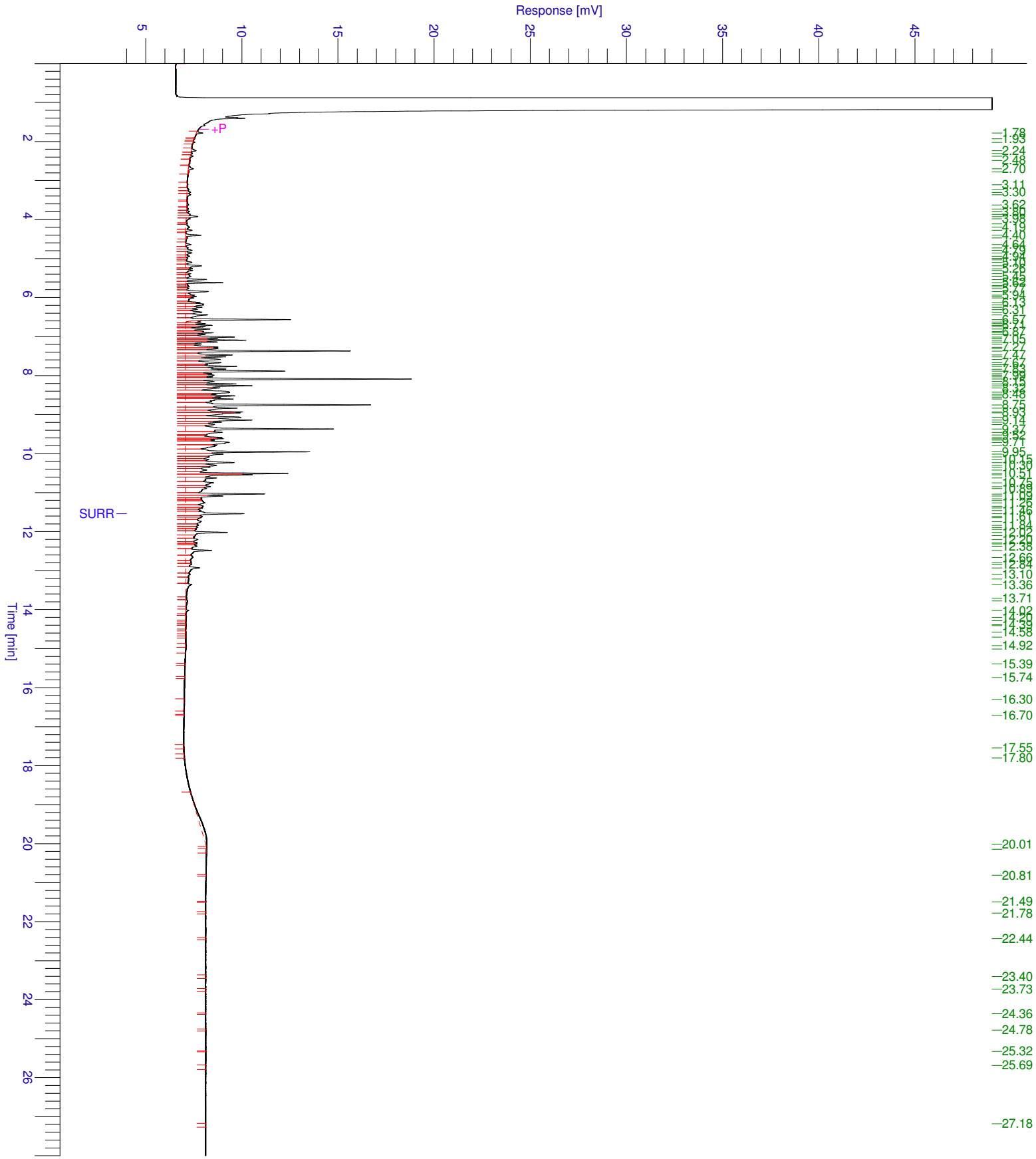


Chromatogram

Sample Name : 100 ppm Diesel Std Sample #: 44 Page 1 of 1

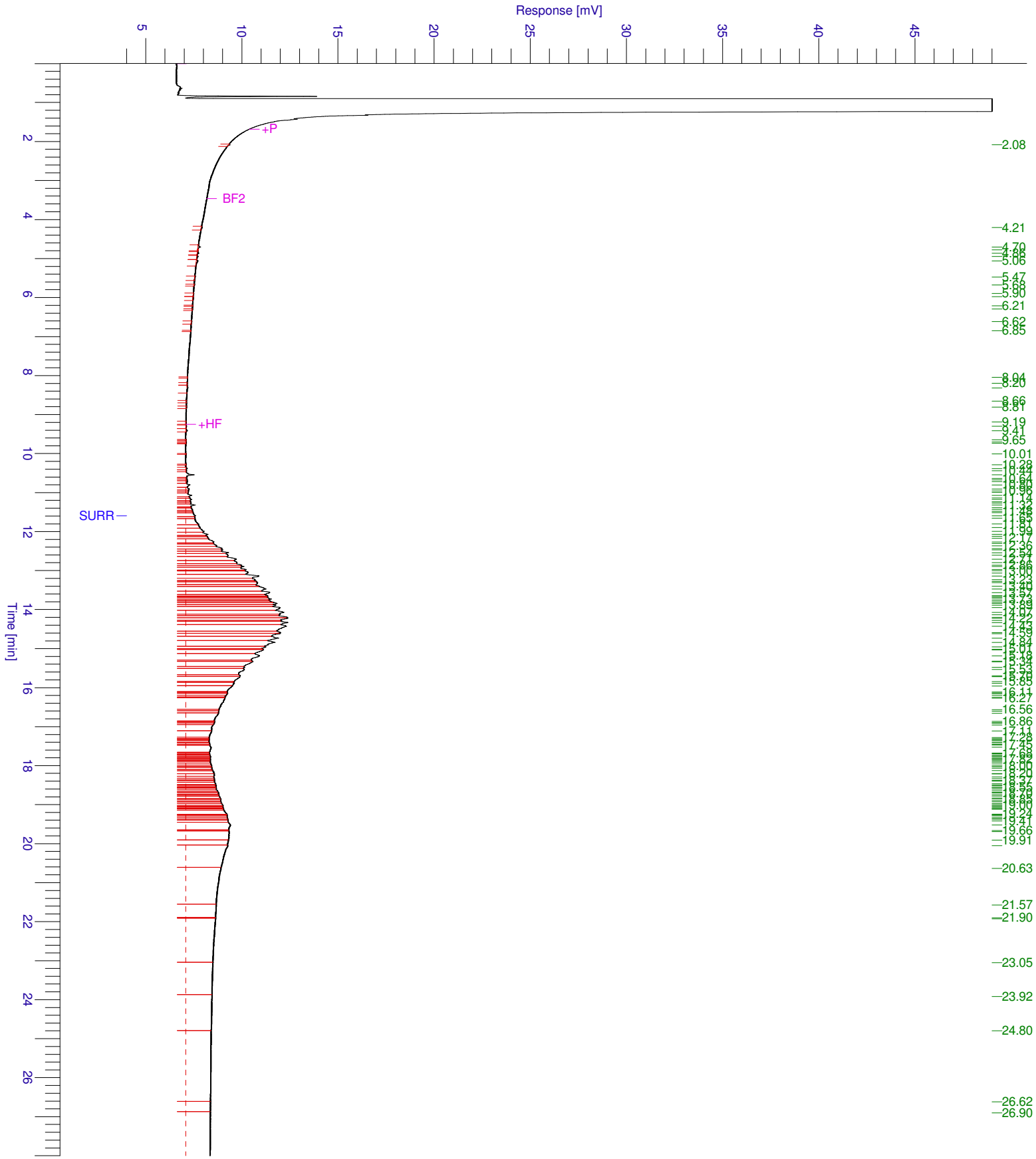
500 ppb Diesel Standard (Water Concentration)

FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\012314a044.raw
Date : 2/7/2014 2:06:42 PM
Method : 010714TEPH.mth Time of Injection: 1/25/2014 12:44:05 AM
Start Time : 0.00 min End Time : 28.00 min Low Point : 4.00 mV High Point : 49.00 mV
Plot Offset: 4.00 mV Plot Scale: 45.0 mV



Chromatogram

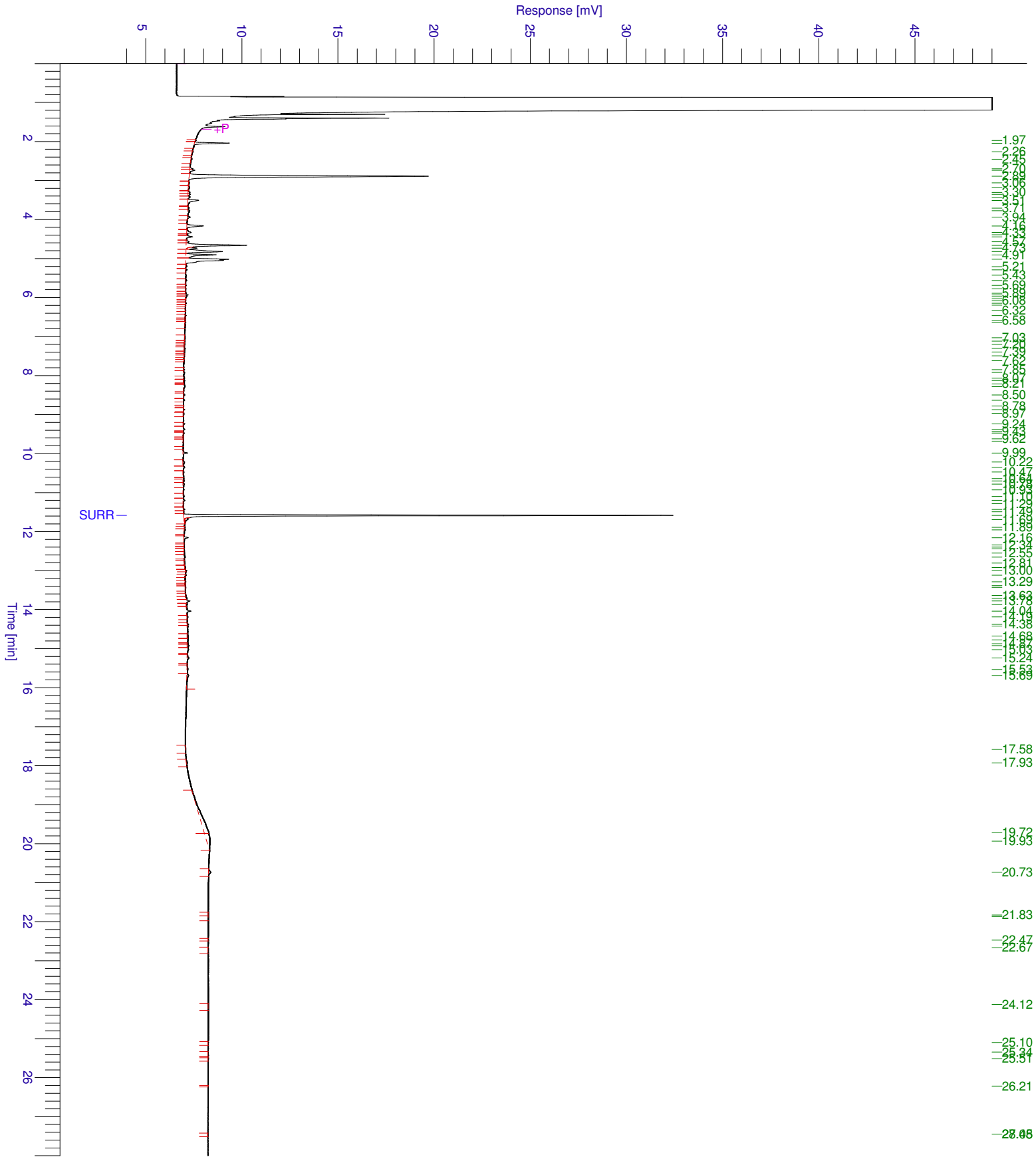
Sample Name : 200 ppm Motor Oil Sample #: 37 Page 1 of 1 1000 ppb Motor Oil Standard (Water Concentration)
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\012314A037.raw
Date : 2/7/2014 2:08:42 PM
Method : 010714TEPH.mth Time of Injection: 1/24/2014 7:19:27 PM
Start Time : 0.00 min End Time : 28.00 min Low Point : 4.00 mV High Point : 49.00 mV
Plot Offset: 4.00 mV Plot Scale: 45.0 mV



Chromatogram

Sample Name : 1401076-01W Sample #: 41 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\012314a041.raw
Date : 2/7/2014 2:02:38 PM
Method : 010714TEPH.mth Time of Injection: 1/24/2014 10:25:47 PM
Start Time : 0.00 min End Time : 28.00 min Low Point : 4.00 mV High Point : 49.00 mV
Plot Offset: 4.00 mV Plot Scale: 45.0 mV

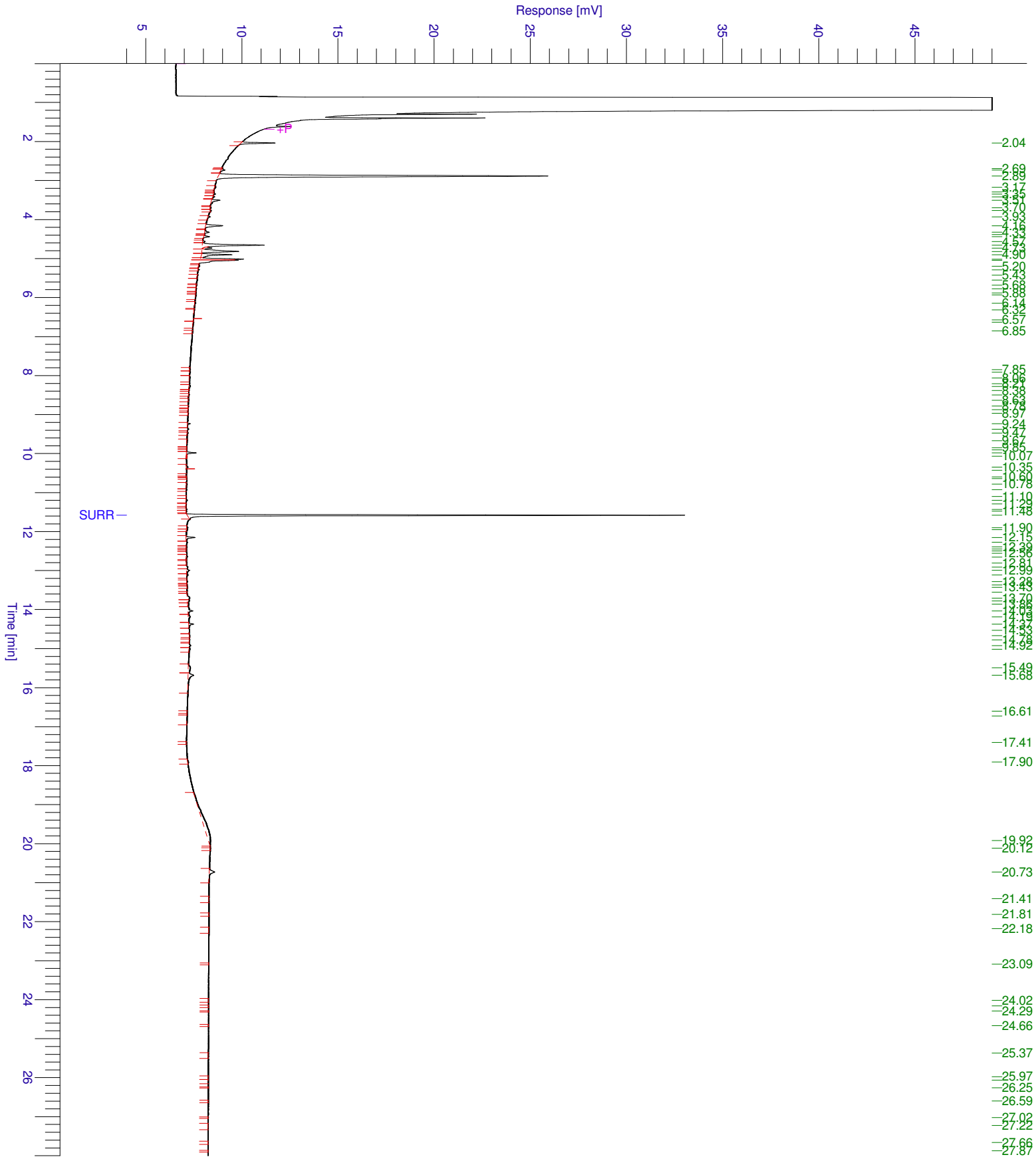
FB-14



Chromatogram

Sample Name : 1401076-02W Sample #: 42 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\012314a042.raw
Date : 2/7/2014 2:03:38 PM
Method : 010714TEPH.mth Time of Injection: 1/24/2014 11:12:06 PM
Start Time : 0.00 min End Time : 28.00 min Low Point : 4.00 mV High Point : 49.00 mV
Plot Offset: 4.00 mV Plot Scale: 45.0 mV

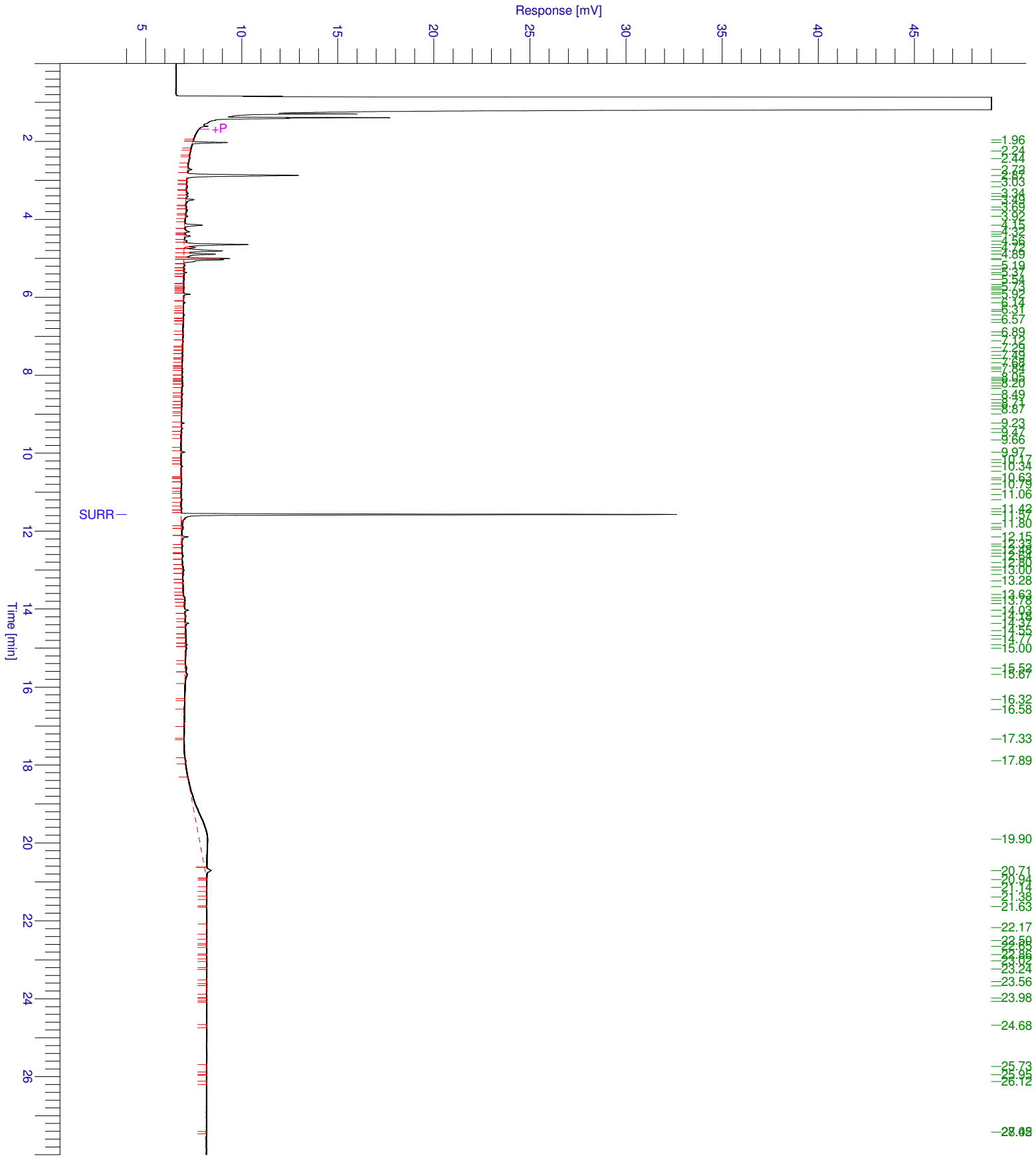
FB-17



Chromatogram

Sample Name : 1401076-03W Sample #: 43 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\012314a043.raw
Date : 2/7/2014 2:04:09 PM
Method : 010714TEPH.mth Time of Injection: 1/24/2014 11:58:09 PM
Start Time : 0.00 min End Time : 28.00 min Low Point : 4.00 mV High Point : 49.00 mV
Plot Offset: 4.00 mV Plot Scale: 45.0 mV

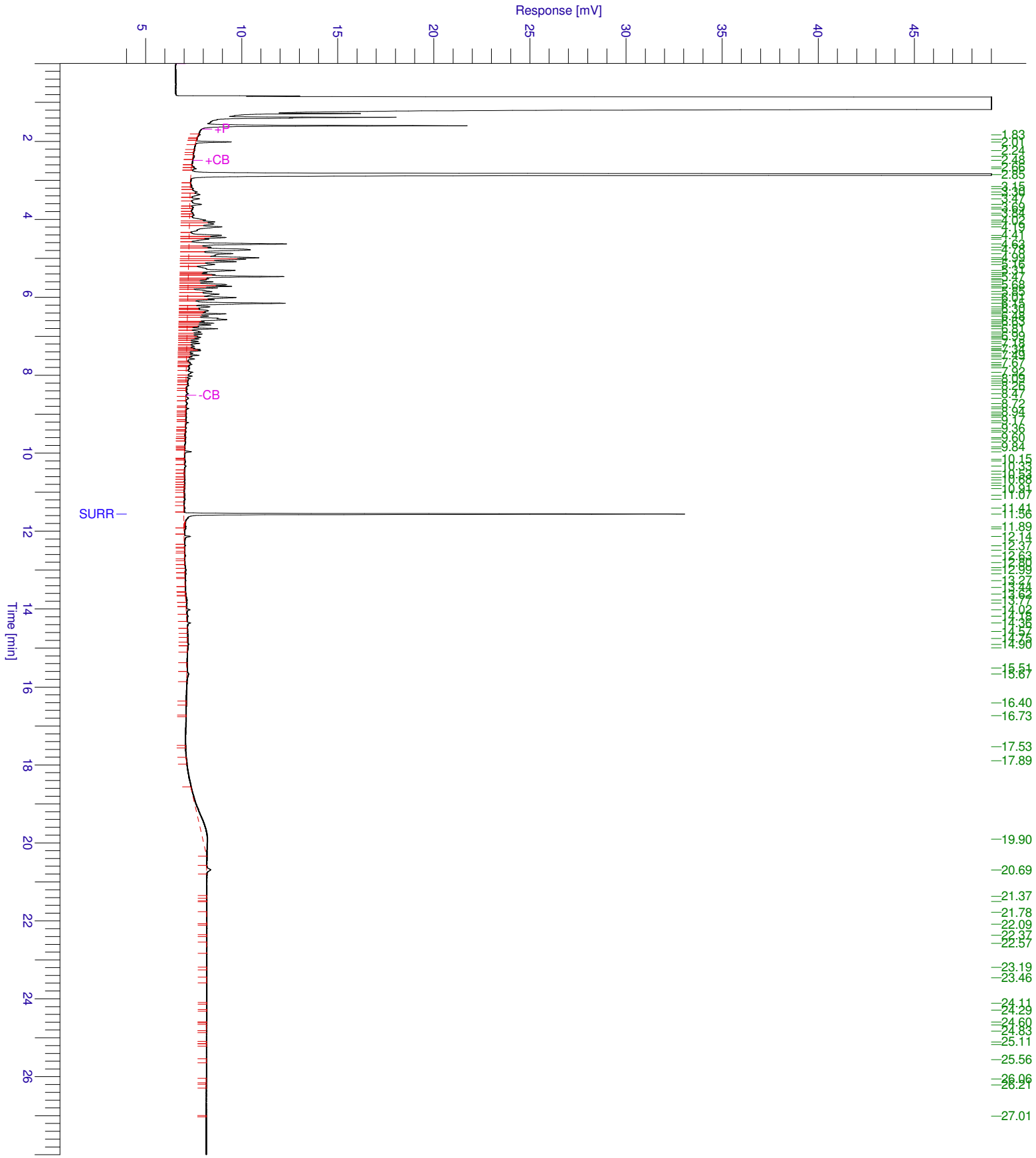
FB-18



Chromatogram

Sample Name : 1401076-04W Sample #: 45 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\012314a045.raw
Date : 2/7/2014 2:04:58 PM
Method : 010714TEPH.mth Time of Injection: 1/25/2014 1:29:53 AM
Start Time : 0.00 min End Time : 28.00 min Low Point : 4.00 mV High Point : 49.00 mV
Plot Offset: 4.00 mV Plot Scale: 45.0 mV

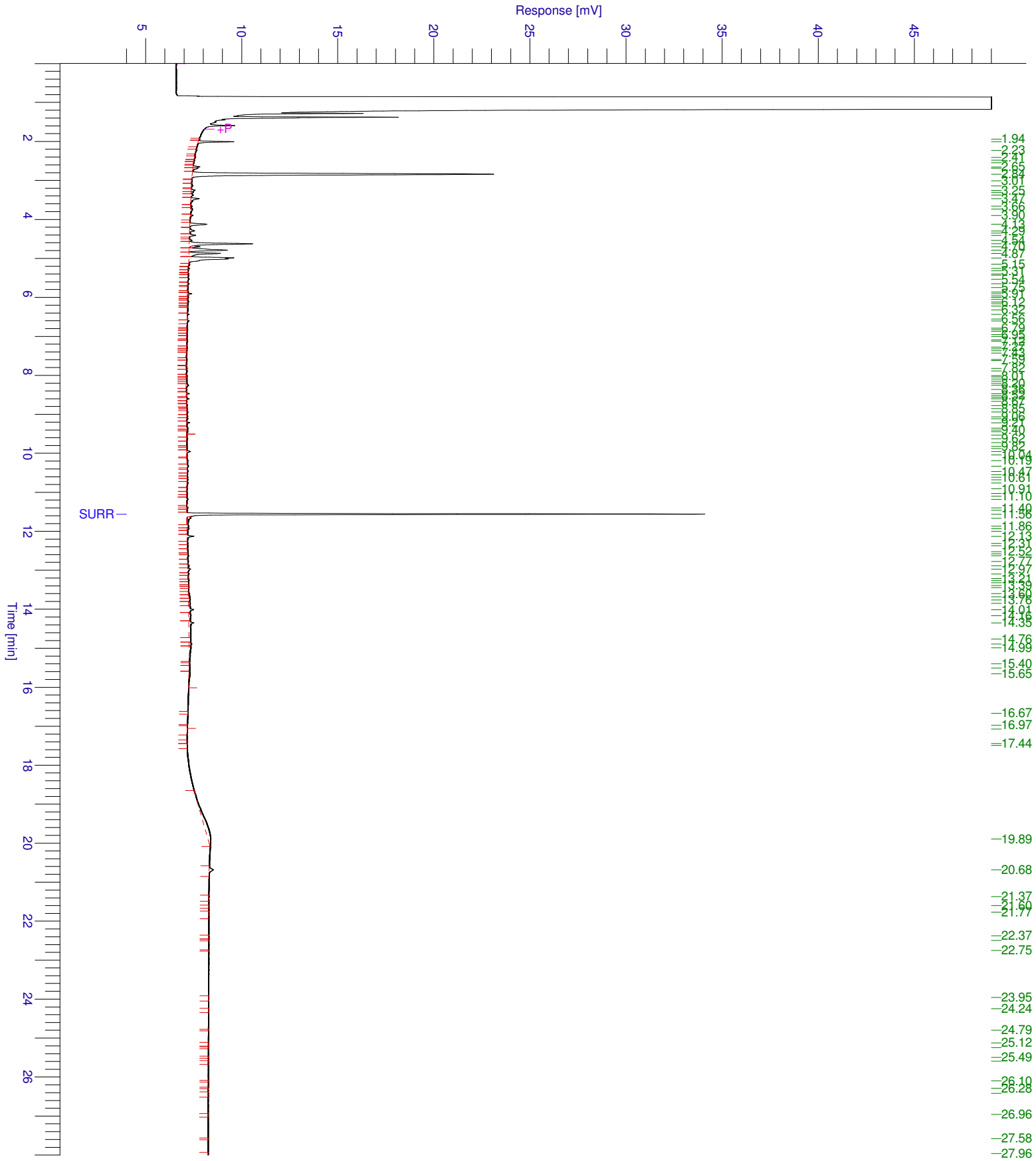
FB-22



Chromatogram

Sample Name : 1401076-05W Sample #: 46 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\012314a046.raw
Date : 2/7/2014 2:05:57 PM
Method : 010714TEPH.mth Time of Injection: 1/25/2014 2:15:36 AM
Start Time : 0.00 min End Time : 28.00 min Low Point : 4.00 mV High Point : 49.00 mV
Plot Offset: 4.00 mV Plot Scale: 45.0 mV

FB-26

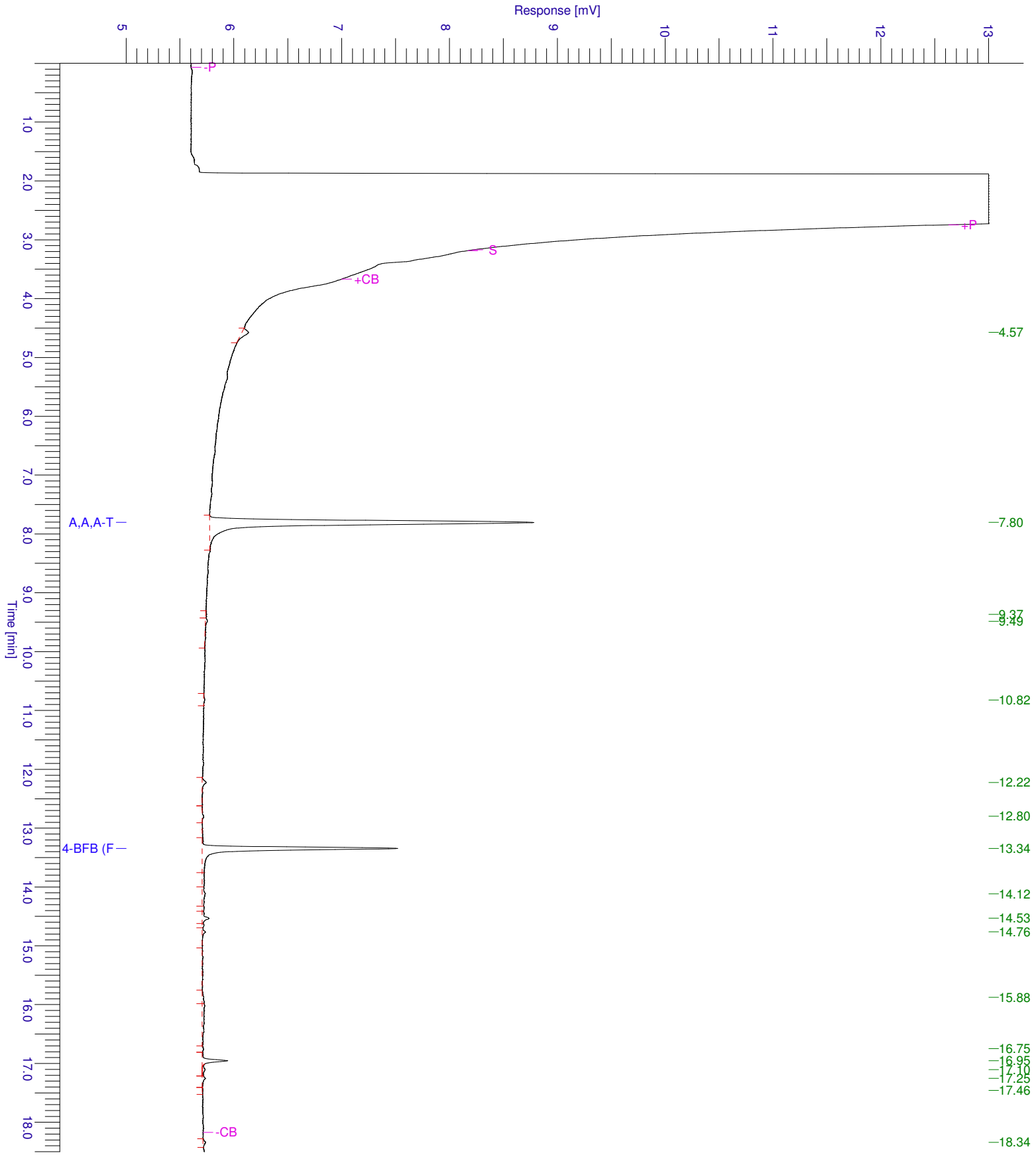


Chromatogram

Sample Name : VS-MB-1224 Sample #: 011

TPH-Gas Method Blank

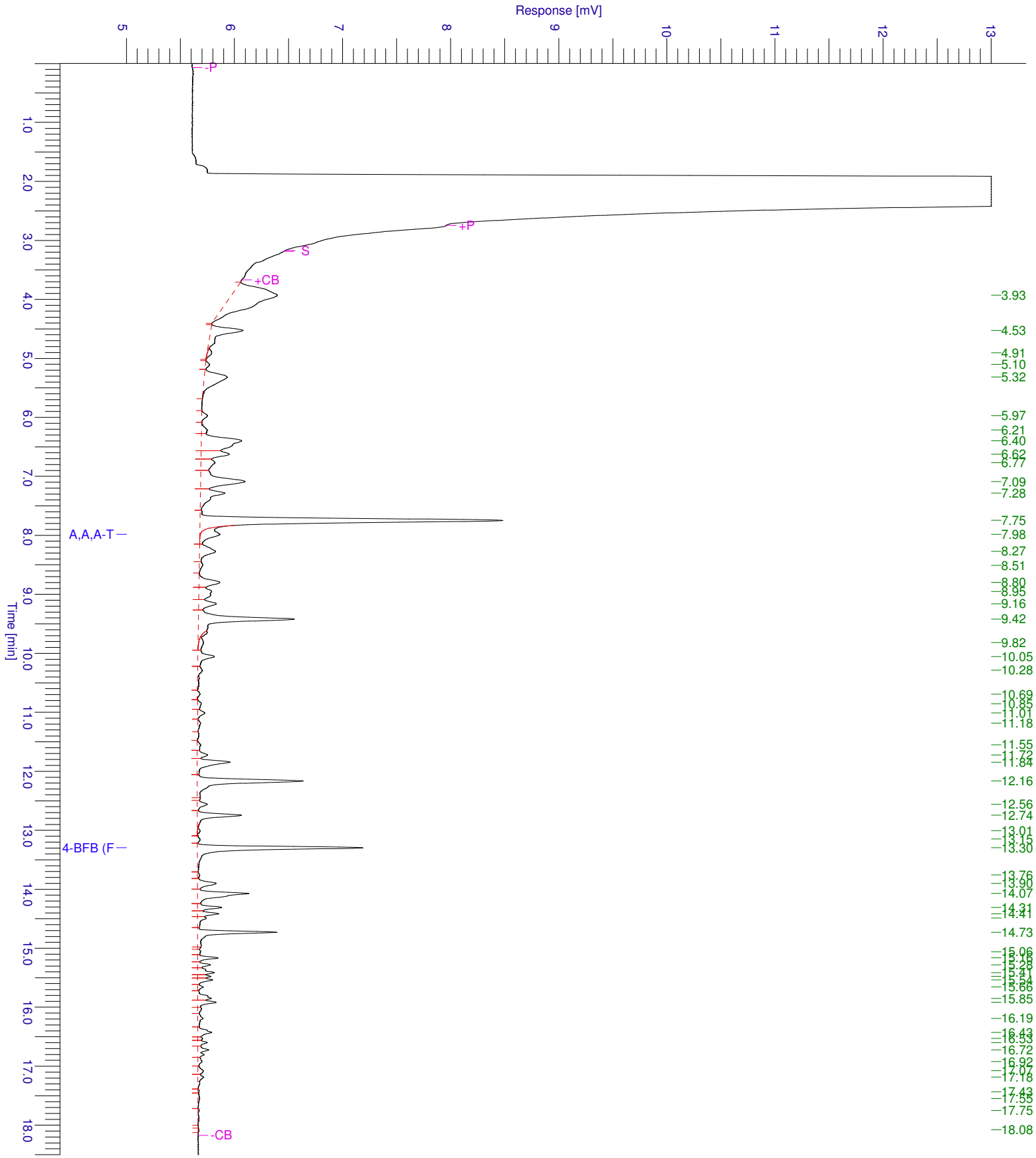
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\012214B012.raw
Date : 2/7/2014 3:18:17 PM
Method : 012214varcalgas.mth Time of Injection: 1/22/2014 10:15:13 PM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV



Chromatogram

Sample Name : 100 PPB GAS STD Sample #: 025 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\012214B026.raw
Date : 2/7/2014 3:16:00 PM
Method : 012214varcalgas.mth Time of Injection: 1/23/2014 4:49:37 AM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

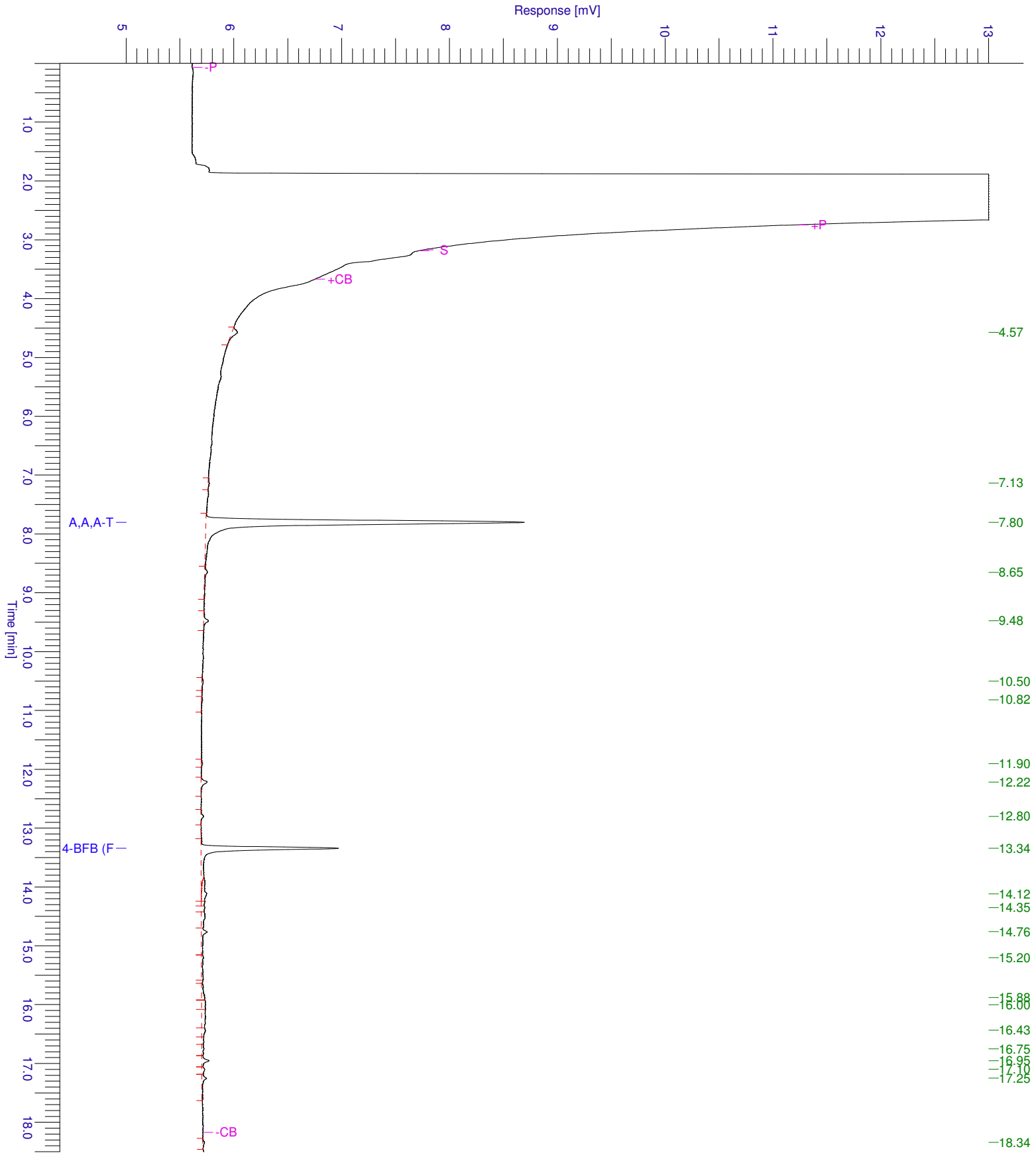
2.0 ppm Gasoline Standard (Soil Concentration)



Chromatogram

Sample Name : 1401068-01S Sample #: 013 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\012214B014.raw
Date : 2/7/2014 3:04:05 PM
Method : 012214varcalgas.mth Time of Injection: 1/22/2014 11:11:53 PM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

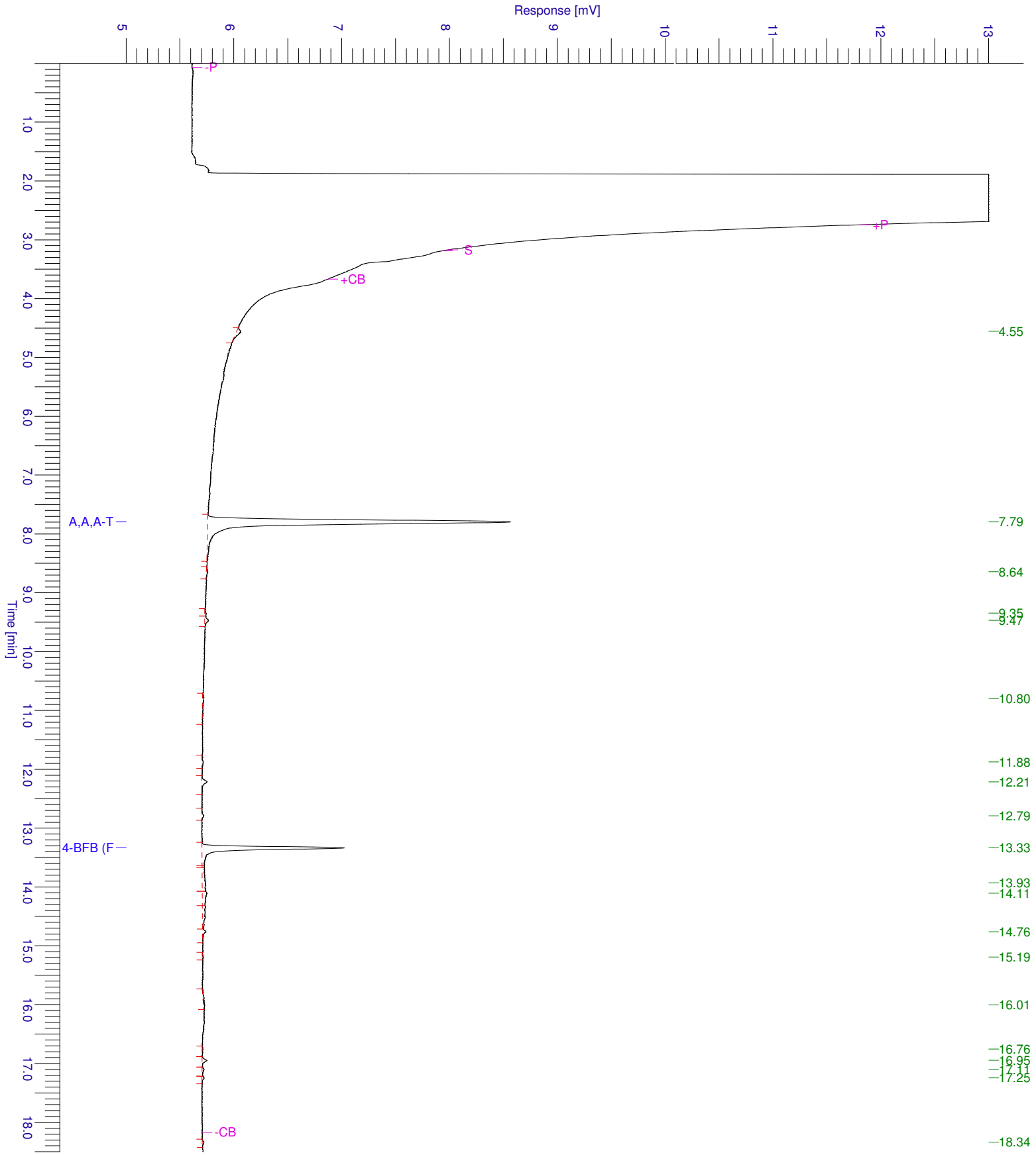
FB-14@10



Chromatogram

Sample Name : 1401068-02S Sample #: 014 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\012214B015.raw
Date : 2/7/2014 3:05:01 PM
Method : 012214varcalgas.mth Time of Injection: 1/22/2014 11:40:12 PM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

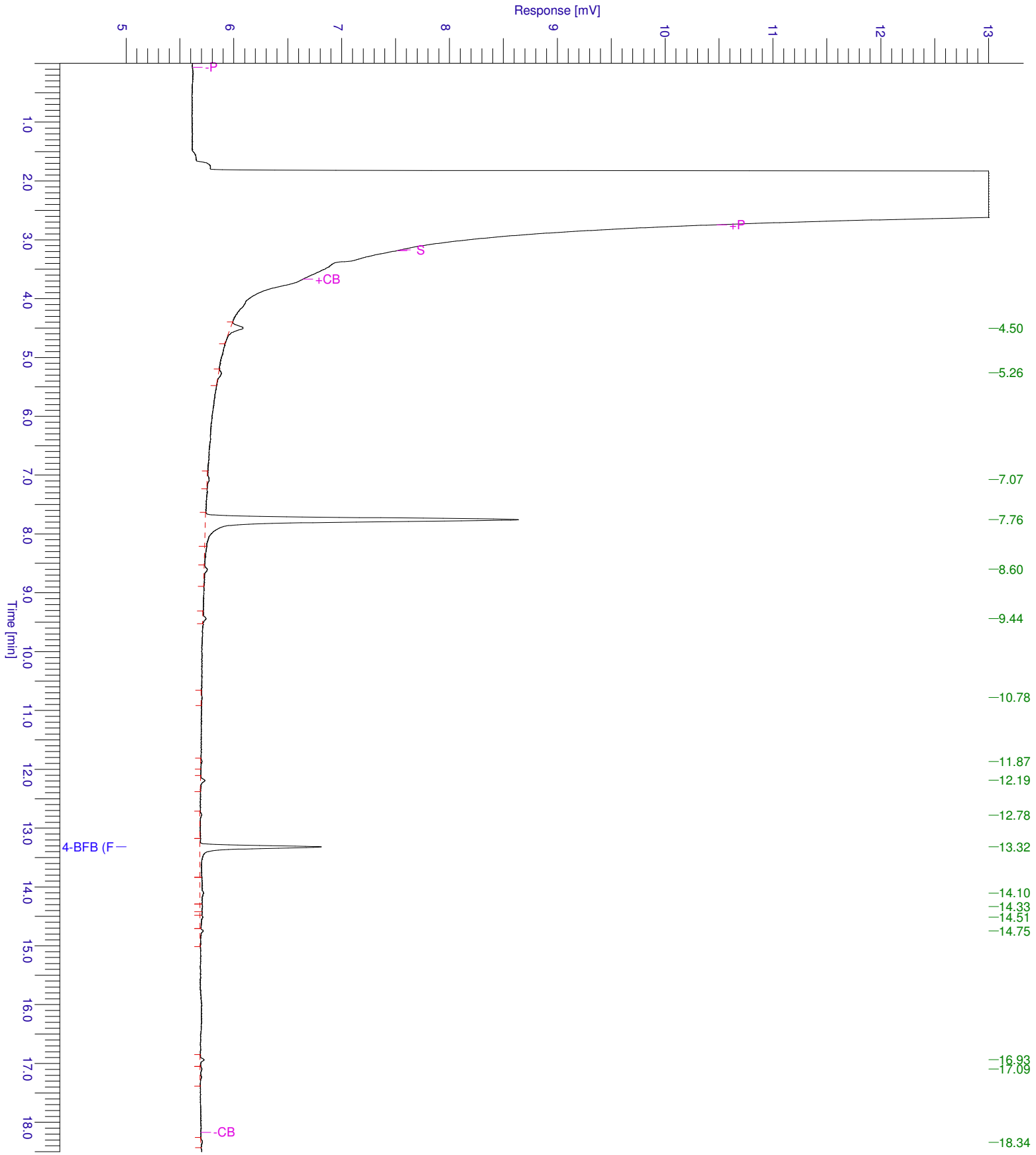
FB-17 @ 5



Chromatogram

Sample Name : 1401068-03S Sample #: 015 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\012214B016.raw
Date : 2/7/2014 3:05:27 PM
Method : 012214varcalgas.mth Time of Injection: 1/23/2014 12:08:28 AM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

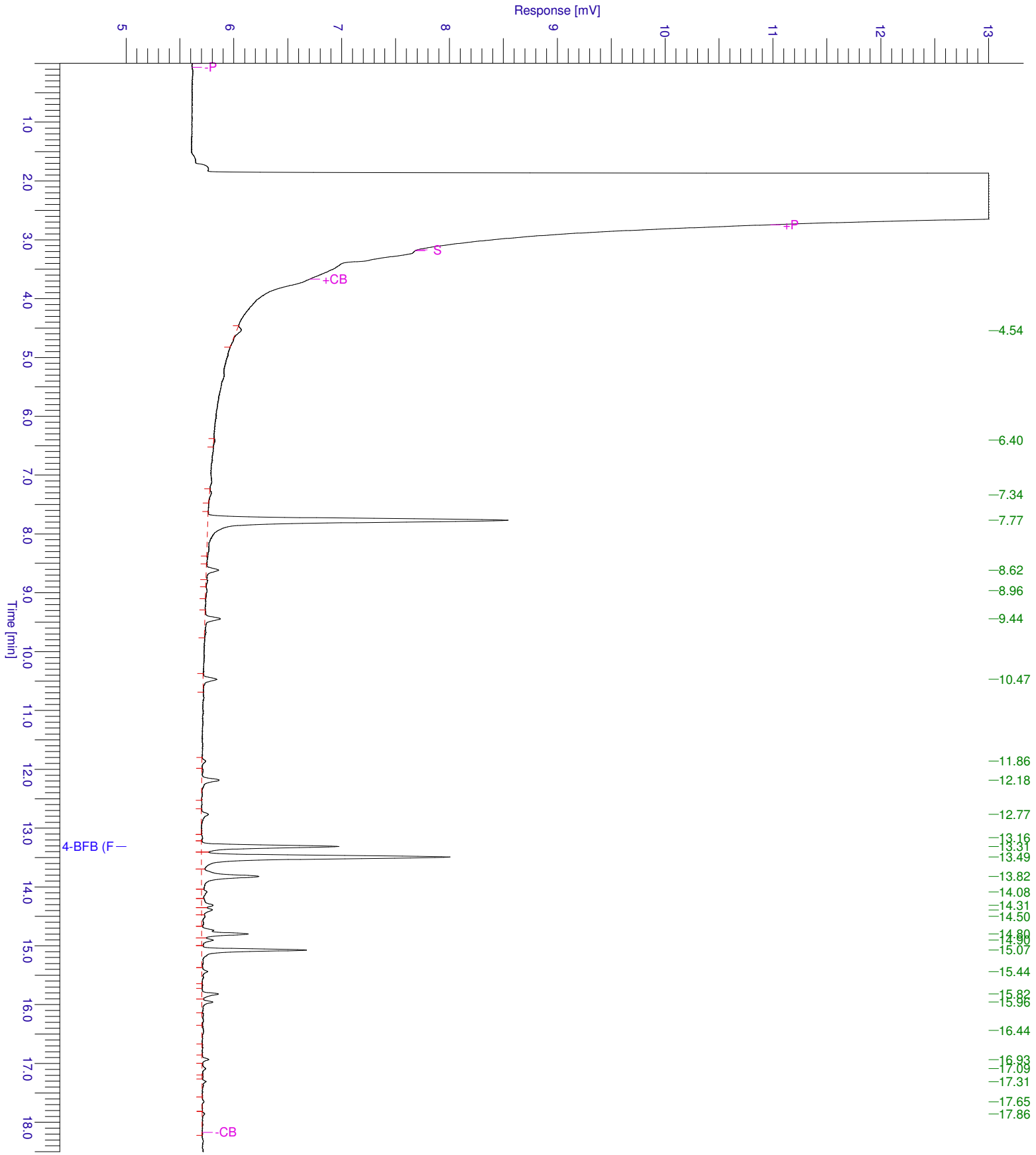
FB-17 @ 15



Chromatogram

Sample Name : 1401068-04S Sample #: 016 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\012214B017.raw
Date : 2/7/2014 3:05:58 PM
Method : 012214varcalgas.mth Time of Injection: 1/23/2014 12:36:42 AM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

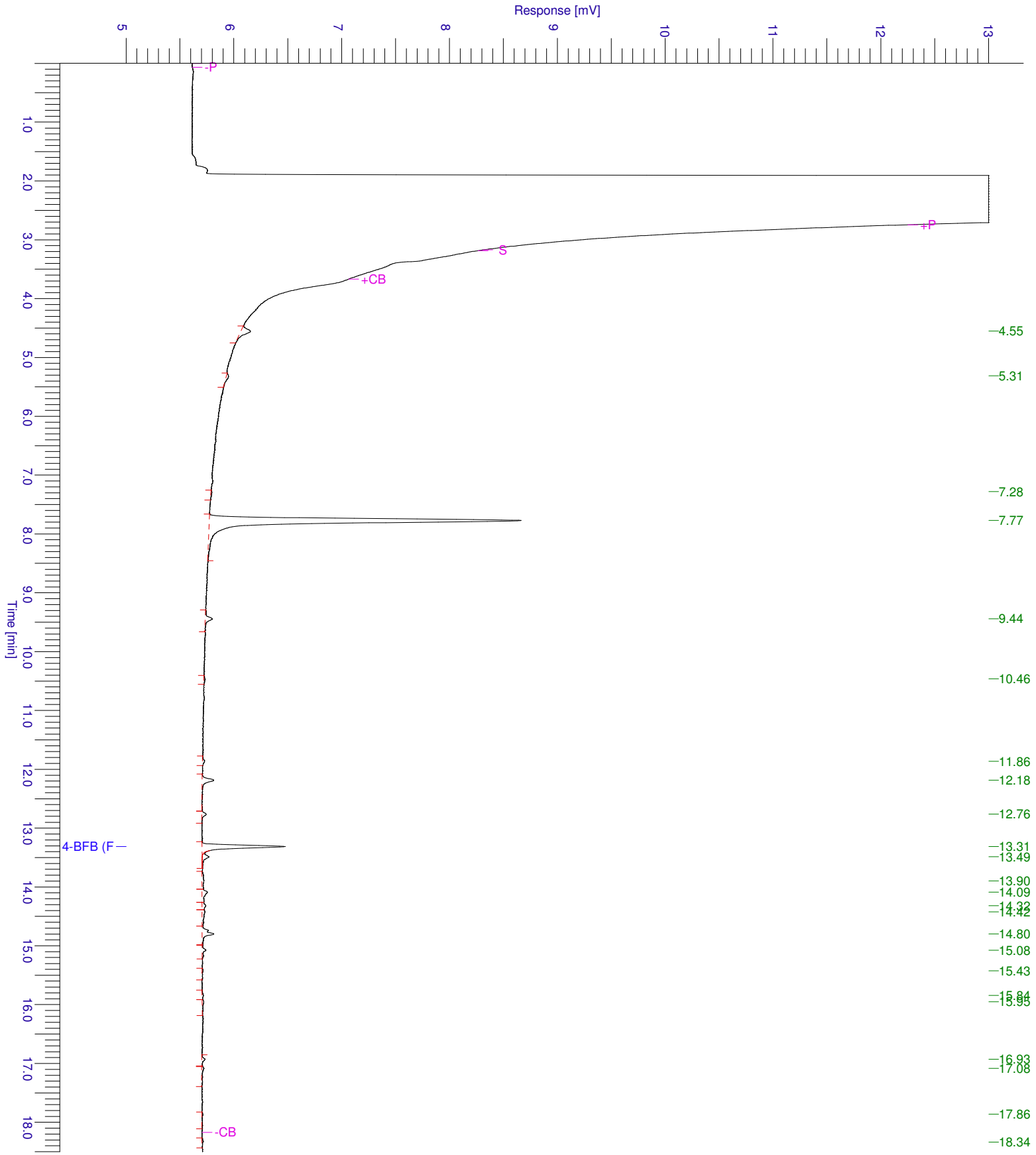
FB-18 @ 0.5



Chromatogram

Sample Name : 1401068-05S DF 2 Sample #: 017 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\012214B018.raw
Date : 2/7/2014 3:11:36 PM
Method : 012214varcalgas.mth Time of Injection: 1/23/2014 1:04:54 AM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

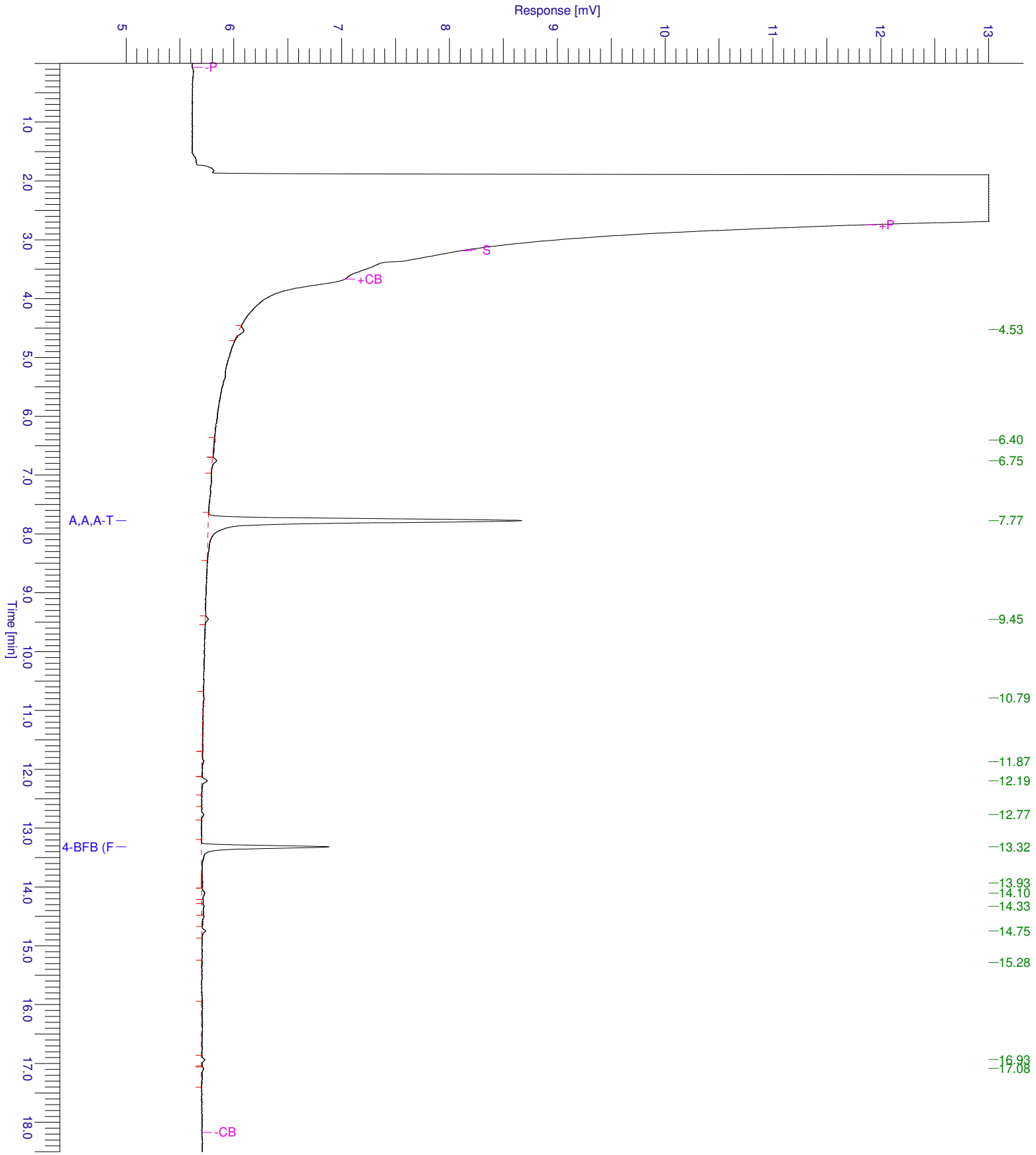
FB-18 @ 5 DF 2



Chromatogram

Sample Name : 1401068-06S Sample #: 018 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\012214B019.raw
Date : 2/7/2014 3:12:14 PM
Method : 012214varcalgas.mth Time of Injection: 1/23/2014 1:33:04 AM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

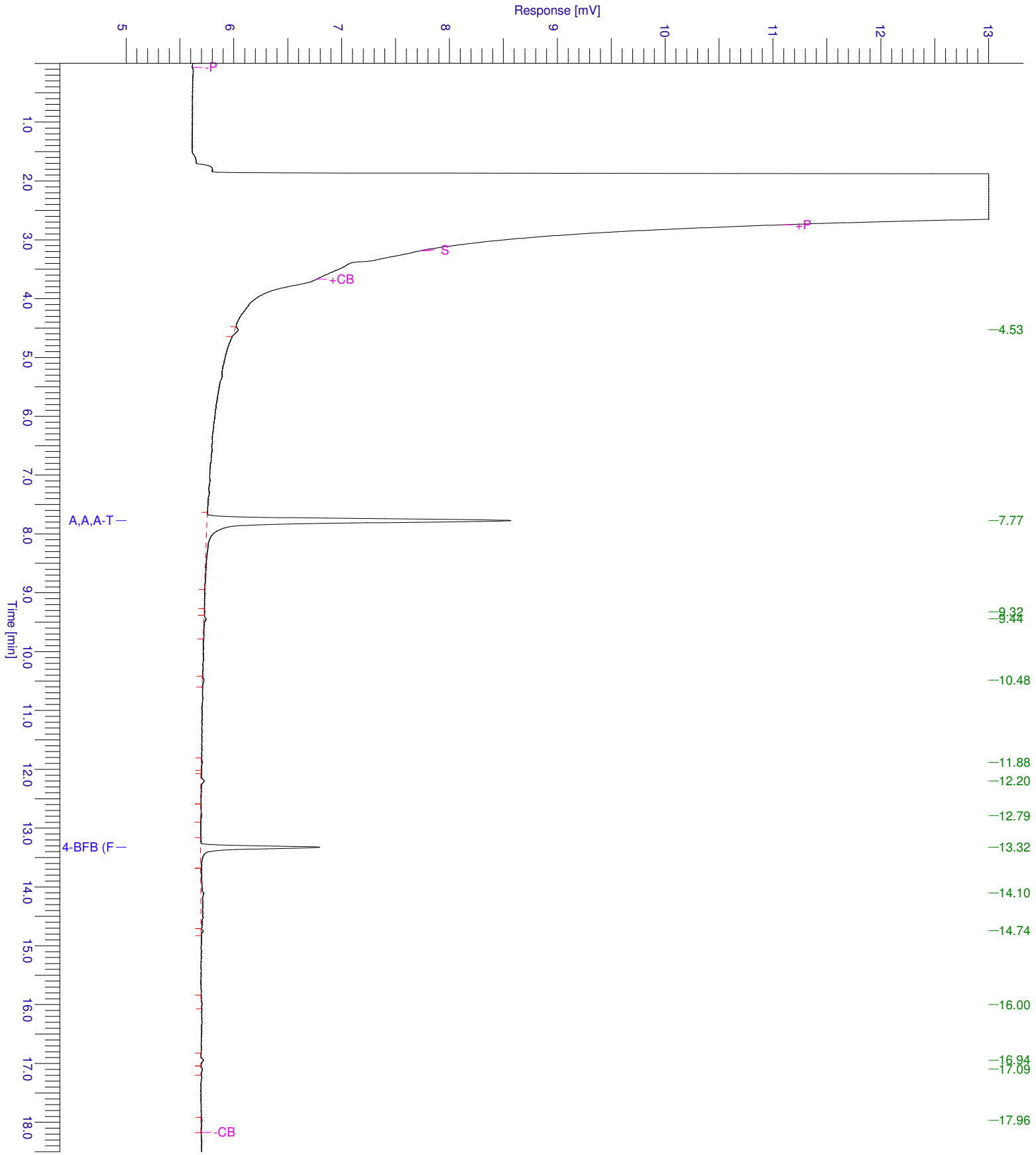
FB-18 @ 10



Chromatogram

Sample Name : 1401068-07S Sample #: 019 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\012214B020.raw
Date : 2/7/2014 3:12:55 PM
Method : 012214varcalgas.mth Time of Injection: 1/23/2014 2:01:14 AM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

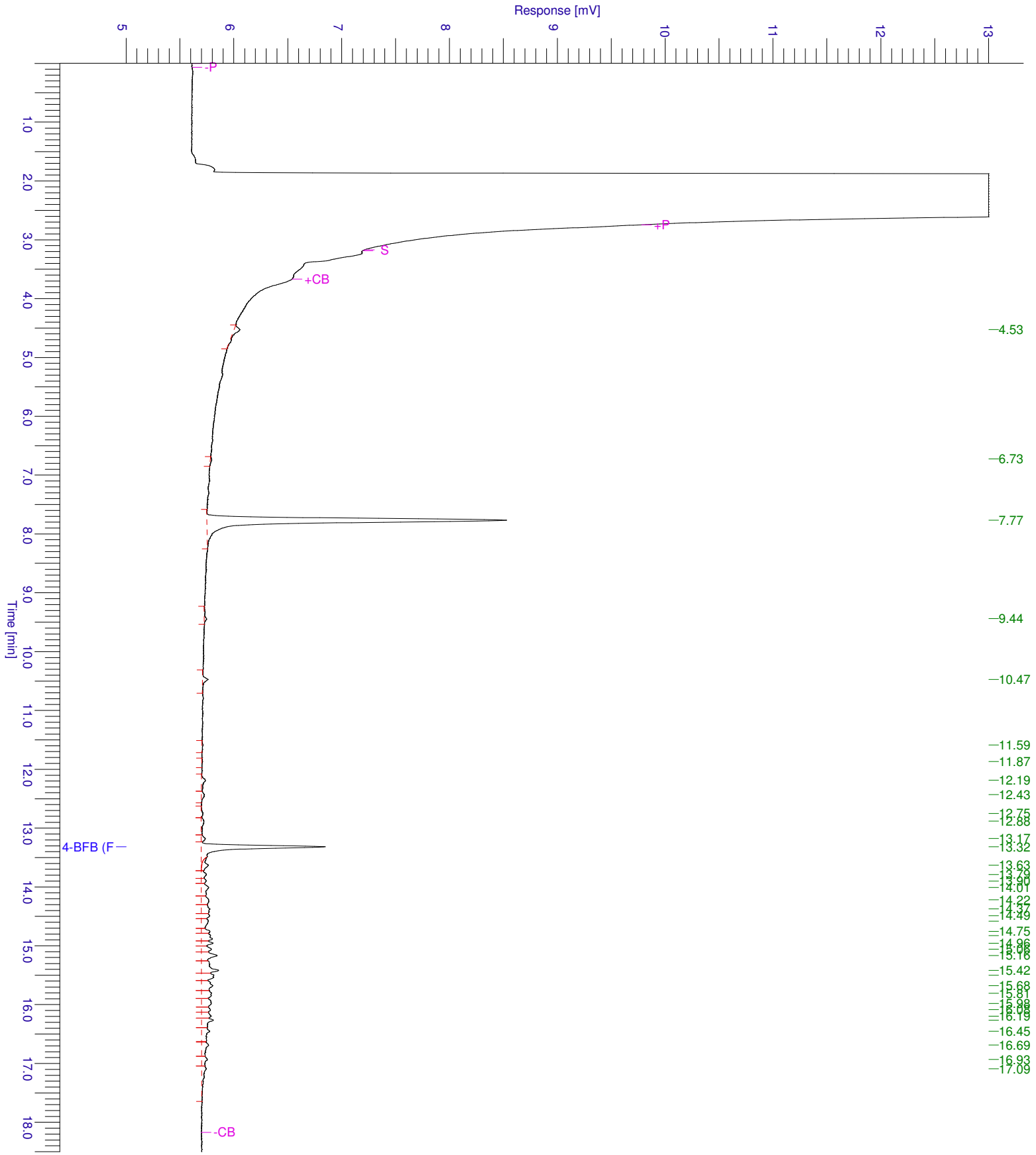
FB-18 @ 20



Chromatogram

Sample Name : 1401068-08S Sample #: 020 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\012214B021.raw
Date : 2/7/2014 3:13:24 PM
Method : 012214varcalgas.mth Time of Injection: 1/23/2014 2:29:21 AM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

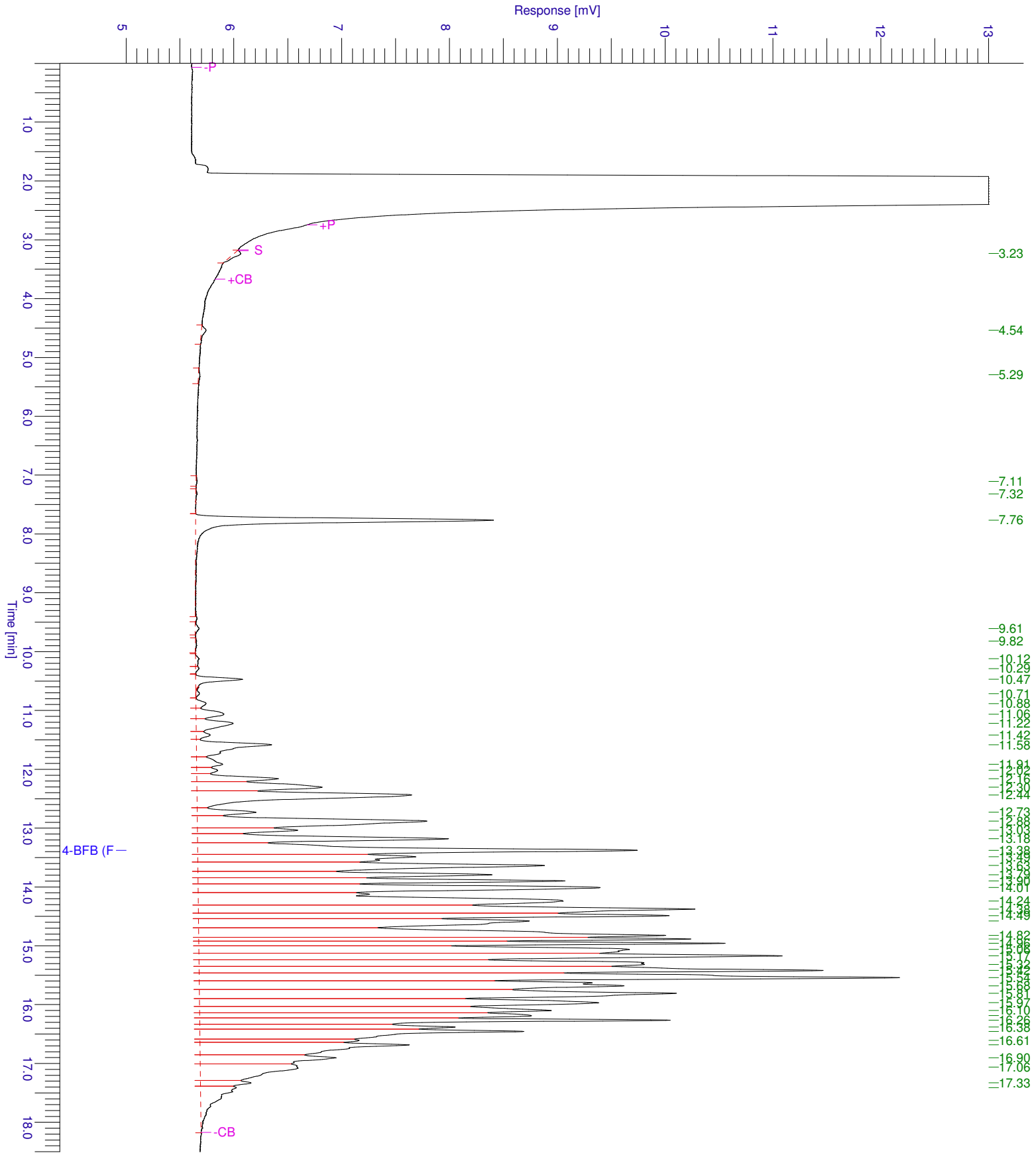
FB-22 @ 15



Chromatogram

Sample Name : 1401068-09S df 10 Sample #: 021 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\012214B022.raw
Date : 2/7/2014 3:14:46 PM
Method : 012214varcalgas.mth Time of Injection: 1/23/2014 2:57:27 AM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

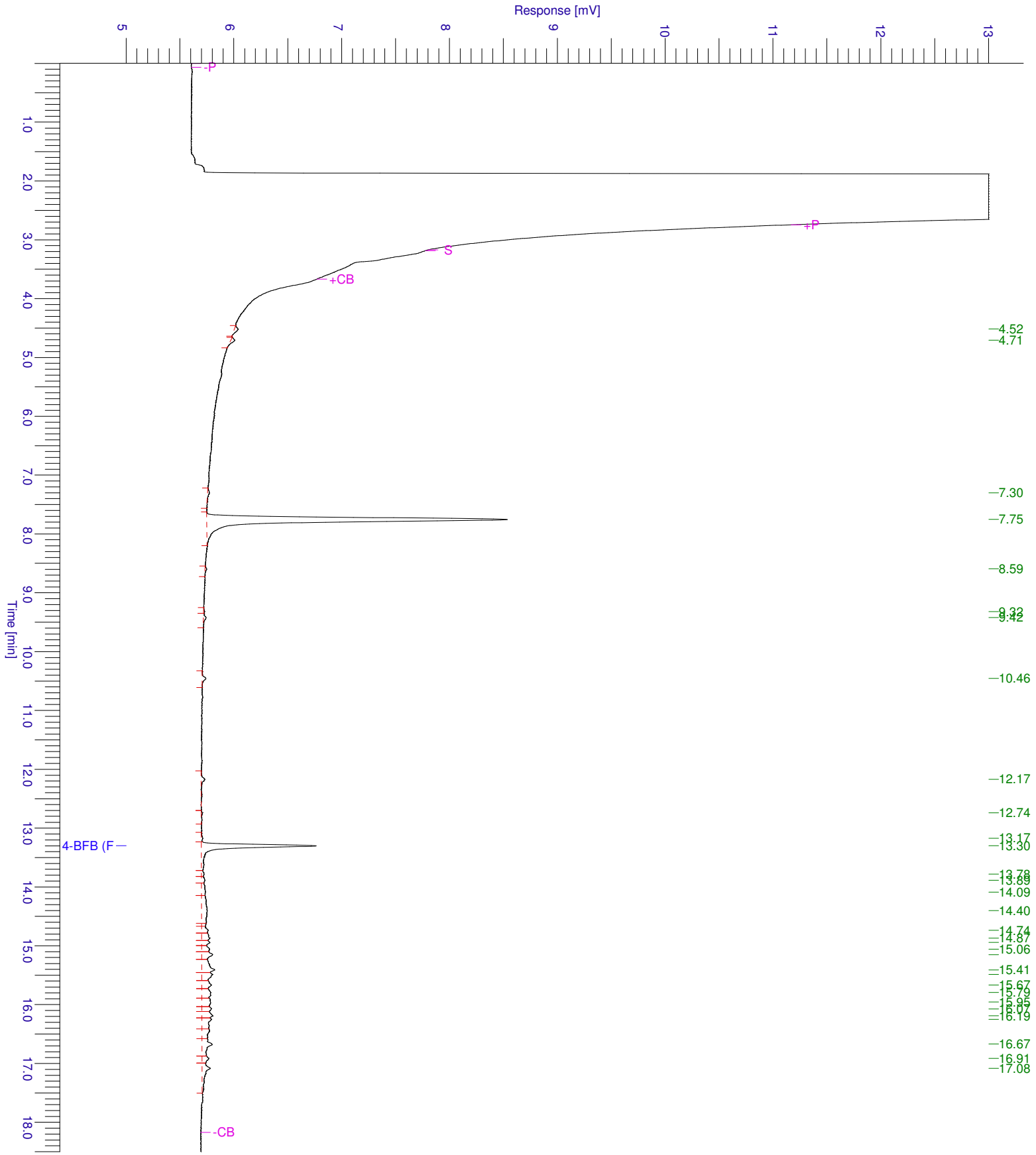
FB-22 @ 15.5 DF 10



Chromatogram

Sample Name : 1401068-10S Sample #: 022 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\012214B023.raw
Date : 2/7/2014 3:15:22 PM
Method : 012214varcalgas.mth Time of Injection: 1/23/2014 3:25:33 AM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

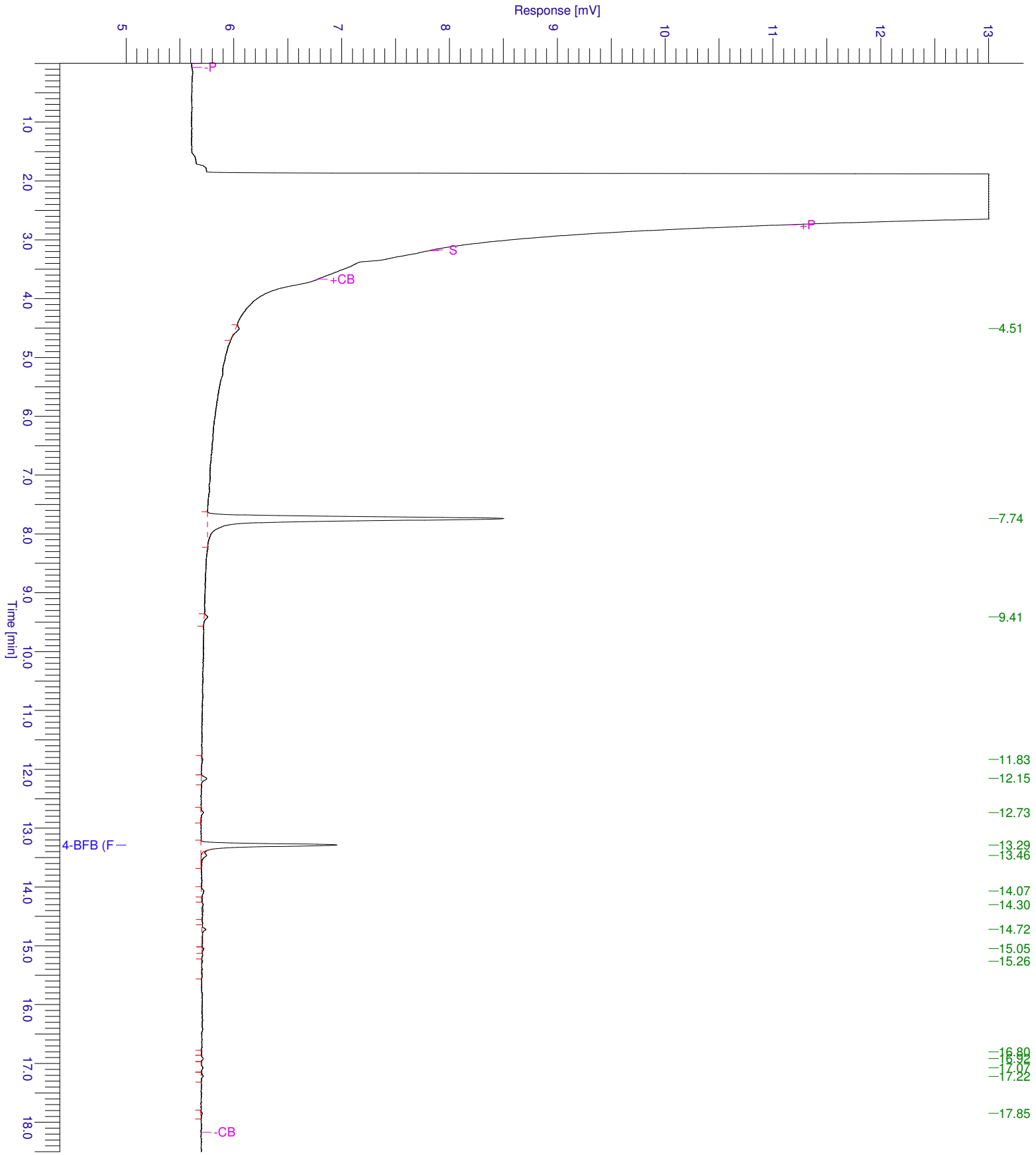
FB-22 @ 18



Chromatogram

Sample Name : 1401068-11S Sample #: 026 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\012214B027.raw
Date : 2/7/2014 3:16:42 PM
Method : 012214varcalgas.mth Time of Injection: 1/23/2014 5:17:34 AM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

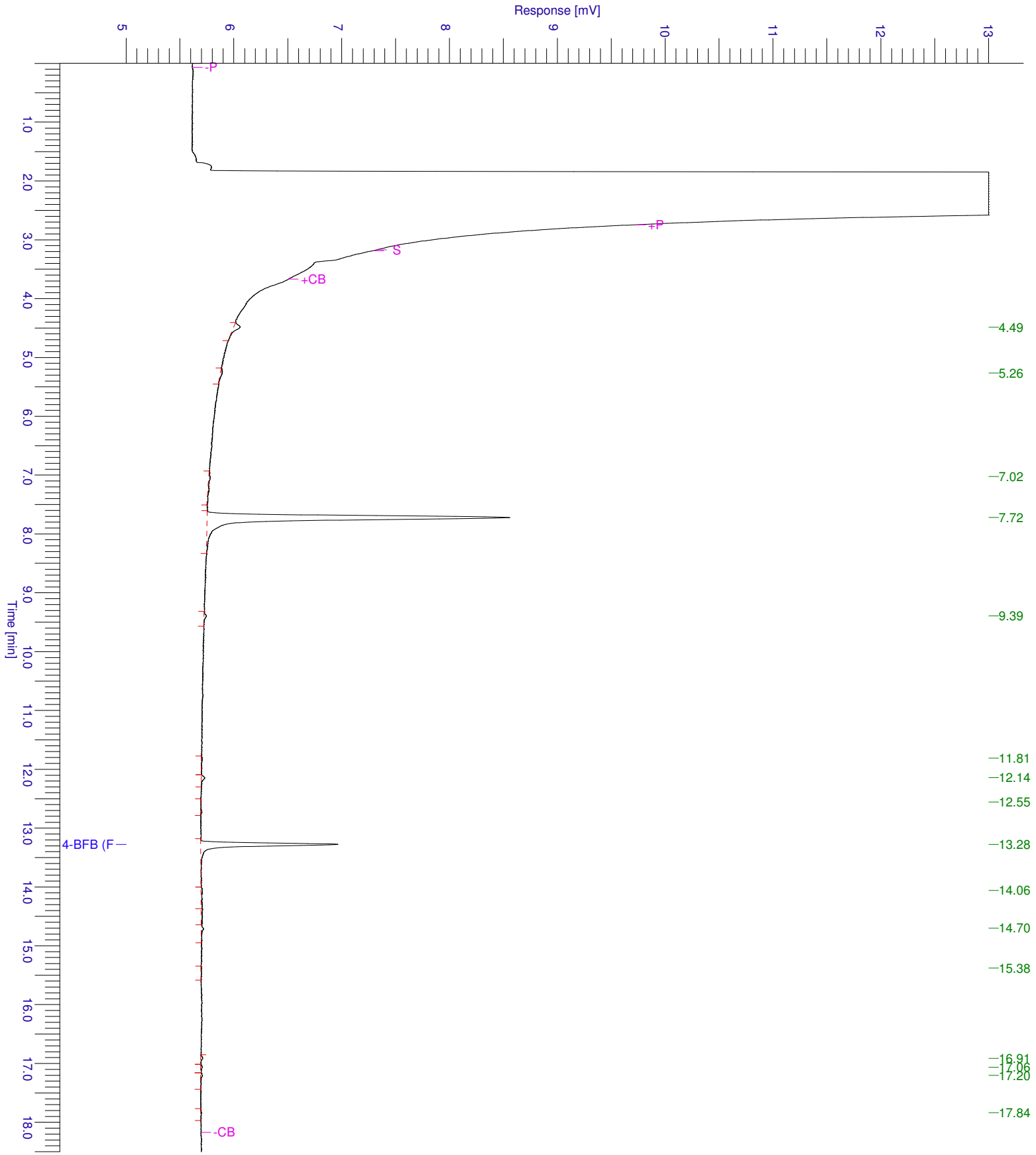
FB-26 @ 5



Chromatogram

Sample Name : 1401068-12S Sample #: 027 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\012214B028.raw
Date : 2/7/2014 3:17:09 PM
Method : 012214varcalgas.mth Time of Injection: 1/23/2014 5:45:29 AM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

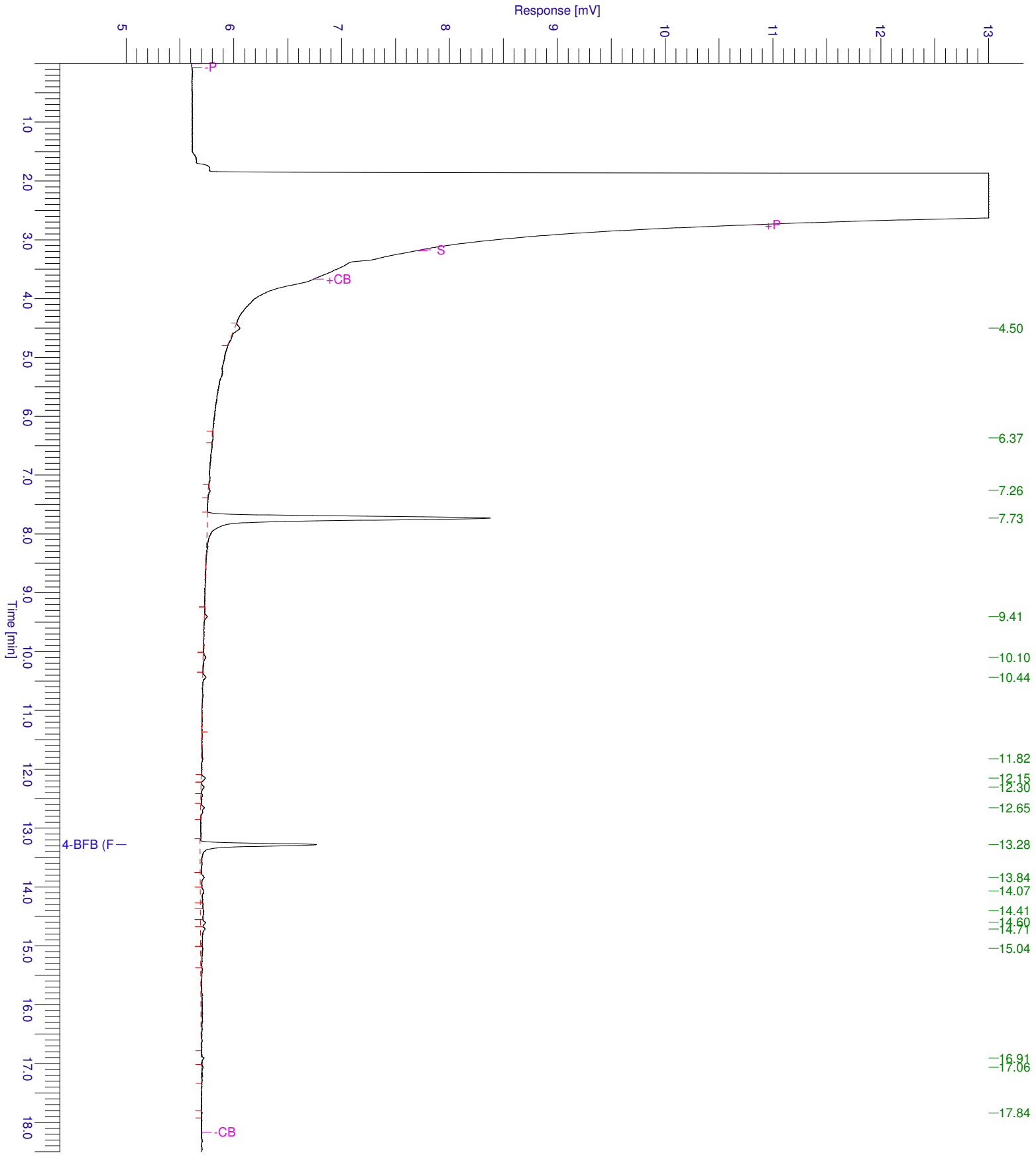
FB-26 @ 15



Chromatogram

Sample Name : 1401068-13S Sample #: 028
FileName : C:\PenExe\TcWS\Ver6.3.1\VARIAN BTEX DATA\012214B029.raw
Date : 2/7/2014 3:17:24 PM
Method : 012214varcalgas.mth Time of Injection: 1/23/2014 6:13:22 AM
Start Time : 0.00 min End Time : 18.50 min Low Point : 5.00 mV High Point : 13.00 mV
Plot Offset: 5.00 mV Plot Scale: 8.0 mV

FB-26 @



4A13071

ES-F10 CHAIN OF CUSTODY

PROJECT NAME: Mercury Cleaners
PROJECT NO.: 04-72120008 ph14 LAB: MTA
PROJECT CONTACT: MDANNA/KEMERY/JALEXANDER TURNAROUND: 10 day TAT
SAMPLED BY: MDANNA

LABORATORY I.D. NUMBER	FIELD SAMPLE I.D.	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR		CONTAINERS: VOA	CONTAINERS: LITER	CONTAINERS: PINT	CONTAINERS: TUBE			PRESERVATIVE: HCL	PRESERVATIVE: H_2SO_4	PRESERVATIVE: HNO_3	PRESERVATIVE: ICE	PRESERVATIVE: OTHER	PRESERVATIVE: NONE	SAMPLING DATE: MONTH	DAY	YEAR	TIME	NOTES	ANALYSIS REQUESTED: TPHg	TPHd, mo w/ Si gel	TPHd, mo w/o Si gel	VOC	SVOC	PH			HOLD	EDF Reporting
1	FB-14 @ 5		X						X						X			01	11	14	1309	1	X		X							
2	FB-14 @ 10																				1319		X		X	X	X					
3	FB-14 @ 15																				1324		X	X	X							
4	FB-14 @ 20																				1345		X		X							
5	FB-14 @ 23.5		X						X						X			01	11	14	1347										X	
6	FB-14	X				X	X					X			X		X	01	11	14	1425		X	X	X	X	X	X				

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]		[signature]	1-12-14 1630
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]	1-13-14 1730	[signature] MTA	1/13/14 1713

COMMENTS & NOTES:
(1) Some or all analysis will be tested per sample analysis TBD
(2) TPHd, mo will be run with silica gel clean up and without.

FUGRO WEST, INC.
1000 Broadway, Suite 440
Oakland, California 94607
Tel: 510.268.0461 Fax: 510.268.0545

Approved by Glenn Young, AC 62 Manager, Fugro West, Inc. 10/15/07.
Note: If this is a printed copy, please check the online QMS to ensure that it is the latest version.

4A13071

ES-F10 CHAIN OF CUSTODY

PROJECT NAME: Mercury Cleaners
PROJECT NO.: 04.72120008 LAB: MTA
PROJECT CONTACT: MDANNA/KEMERY/JALEXANDER TURNAROUND: 10 day TAT
SAMPLED BY: MDANNA

LABORATORY I.D. NUMBER	FIELD SAMPLE I.D.	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR	CONTAINERS: VOA	CONTAINERS: LITER	CONTAINERS: PINT	CONTAINERS: TUBE	PRESERVATIVE: HCL	PRESERVATIVE: H_2SO_4	PRESERVATIVE: HNO_3	PRESERVATIVE: ICE	PRESERVATIVE: OTHER	PRESERVATIVE: NONE	SAMPLING DATE: MONTH	DAY	YEAR	TIME	NOTES	ANALYSIS REQUESTED: TPHg	TPHd/mo w/ Si gel	TPHd/mo w/o Si gel	VOC	SVOC				HCOD	EDF Reporting
7	FB-17@ 0.5		X					X				X			01	12	14	0830										X	
8	FB-17@ 5																	0832		X		X	X						
9	FB-17@ 10																	0838										X	
10	FB-17@ 15																	0844		X	X	X	X						
11	FB-17@ 20																	0943		X		X							
12	FB-17@ 23.5		X					X				X			01	12	14	0940										X	
13	FB-17	X			X	X			X			X		X	01	12	14	0923		X	X	X	X	X					

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]		[signature]	1-12-14 1630
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature] 1-13-14	1712	[signature] MTA 1/13/14	1713

COMMENTS & NOTES:
① Some or all analysis will be tested per sample analysis TBD
② TPHd/mo, will be run with silica gel clean up and without.

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ES-F10 CHAIN OF CUSTODY

PROJECT NAME: Mercury Cleaners
PROJECT NO.: 04.7212000 8 ph 14 LAB: MTA
PROJECT CONTACT: MDANNA/KEMERY/JALEXANDER TURNAROUND: 10 day TAT
SAMPLED BY: MDANNA

LABORATORY I.D. NUMBER	FIELD SAMPLE I.D.	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR	CONTAINERS: VOA	CONTAINERS: LITER	CONTAINERS: PINT	CONTAINERS: TUBE	PRESERVATIVE: HCL	PRESERVATIVE: H_2SO_4	PRESERVATIVE: HNO_3	PRESERVATIVE: ICE	PRESERVATIVE: OTHER	PRESERVATIVE: NONE	SAMPLING DATE: MONTH	DAY	YEAR	TIME	NOTES	ANALYSIS REQUESTED: TPHg	TPHd,mo w/ Si gel	TPHd,mo w/o Si gel	VOC	SVOC	~~TPH~~ mo		HOLD	EDF Reporting
14	FB-18 @ 0.5		X					X				X			01	12	14	0940	①	X		X	X					
15	FB-18 @ 5																	0950		X	X	X	X					
16	FB-18 @ 10																	0956		X		X	X					
17	FB-18 @ 15																	1001				~~X~~ mo					X	
18	FB-18 @ 20																	1018		X		X	X					
19	FB-18 @ 23.5		X					X				X			01	12	14	1028									X	
20	FB-18	X			X	X			X			X	X		01	12	14	1038		~~X~~ mo	X	X	X	X	X			

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]		[signature]	1-12-14 1630
[signature]	1-13-14 1713	[signature] MTA	1/13/14 1713

COMMENTS & NOTES:
① Some or all analysis will be tested per sample, analysis TBD.
② TPHd,mo will be run with silica

FUGRO WEST, INC.
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4A13071

ES-F10 CHAIN OF CUSTODY

PROJECT NAME: Mercury Cleaners

PROJECT NO.: 04.72120008 ph 14 LAB: MTA

PROJECT CONTACT: MDANNA/KEMERY/JALEXANDER TURNAROUND: 10 day TAT

SAMPLED BY: MDANNA

LABORATORY I.D. NUMBER	FIELD SAMPLE I.D.	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR	CONTAINERS: VOA	CONTAINERS: LITER	CONTAINERS: PINT	CONTAINERS: TUBE	PRESERVATIVE: HCL	PRESERVATIVE: H_2SO_4	PRESERVATIVE: HNO_3	PRESERVATIVE: ICE	PRESERVATIVE: OTHER	PRESERVATIVE: NONE	SAMPLING DATE: MONTH	DAY	YEAR	TIME	NOTES	ANALYSIS REQUESTED: TPHg	TPHd/mo w/ Si gel	TPHd/mo w/o Si gel	VOC	SVOC				HexCr	EDF Reporting
21	FB-22@5	~~X~~	X					X				X			01	11	14	1116	①									X	
22	FB-22@10																	1123										X	
23	FB-22@15																	1135		X		X	X						
24	FB-22@15.5																	1157		X	X	X	X	X					
25	FB-22@18																	1216		X		X	X						
26	FB-22@20																	1219										X	
27	FB-22@23.5		X					X				X			01	11	14	1223										X	
28	FB-22	X			X	X			X			X		X	01	11	14	1200			X	X	X						

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]		[signature]	1-12-14 1630
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]		[signature] MTA	1/13/14 1731

COMMENTS & NOTES:

① Some or all analysis will be tested, per sample, analysis TBD.

② ~~Both~~ TPHd, mo are to be run with Both Silica gel clean up and without Silica gel clean up.

FUGRO WEST, INC.
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ES-F10 CHAIN OF CUSTODY

PROJECT NAME: Mercury Cleaners

PROJECT NO.: 04.72120008 ph 14 LAB: MTA

PROJECT CONTACT: MDANNA/KEMERY/JALEXANDER TURNAROUND: 10 day TAT

SAMPLED BY: MDANNA

LABORATORY I.D. NUMBER	FIELD SAMPLE I.D.	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR	CONTAINERS: VOA	CONTAINERS: LITER	CONTAINERS: PINT	CONTAINERS: TUBE	PRESERVATIVE: HCL	PRESERVATIVE: H_2SO_4	PRESERVATIVE: HNO_3	PRESERVATIVE: ICE	PRESERVATIVE: OTHER	PRESERVATIVE: NONE	SAMPLING DATE: MONTH	DAY	YEAR	TIME	NOTES	TPHg	TPHd,mo w/ Si gel	TPHd,mo w/o Si gel	VOC	SVOC				HPCD	EDF Reporting
29	FB-26@0.5		X					X				X			01	12	14	1110	①									X	
30	FB-26 @ 5		(					(				(			(	(	(	113		X		X	X						
31	FB-26 @ 10		(					(				(			(	(	(	115										X	
32	FB-26 @ 15		(					(				(			(	(	(	120		X		X	X						
33	FB-26 @ 20																	133		X		X	X						
34	FB-26 @ 23.5		X					X				X			01	12	14	131										X	
35	FB-26	X			X	X			X			X		X	01	12	14	1210			X	X	X						

ANALYSIS REQUESTED

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]		[signature]	1-12-14 1630
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]	1-13-14 1713	[signature] MTA	1/13/14 1713

COMMENTS & NOTES:

① Some or all analysis will be tested, per sample analysis TBD.

② Select samples Run Both TPHd,mo with Silica gel and with out Silica gel.

FUGRO WEST, INC.
1000 Broadway, Suite 440
Oakland, California 94607
Tel: 510.268.0461 Fax: 510.268.0545

Approved by Glenn Young, AC 62 Manager, Fugro West, Inc. 10/15/07.
Note: If this is a printed copy, please check the online QMS to ensure that it is the latest version.

Moore Twining Associates, Inc.

Sample Integrity Page 6 of 8 WO# 4A13071 Date Received: 01/13/14

Section 1-Sampled Same Day

Sample Transport: Walk In MTA Courier Transported In: Ice Chest Box Hand

Has Chilling Begun? Yes No

Section 2-Sampled Previously

Sample Transport: Walk-in UPS GSO Fed Ex MTA Courier Other:

No. Coolers/Ice Chests: 1 Temperature(s): 0.3°C

Was Temperature In Range? Y or N Received On Ice: Wet Blue

Describe type of packing materials: Bubble Wrap Foam Packing Peanuts Paper Other: N/A

Were ice chest custody seals present? Y or N Intact? Y or N

Section 3-COC Info.

	Completed				Completed	
	Yes	No			Yes	No
Was COC Received	✓		Analysis Requested		✓	
Date Sampled	✓		Any hold times less than 72hr			✓
Time Sampled	✓		Client Name		✓	
Sample ID	✓		Address		✓	
Special Storage/Handling Ins.		✓	Telephone #		✓	

Section 4-Bottles/Analysis

	Yes	No	N/A	Comment
Did all bottles arrive unbroken and intact?	✓			
Were bottle custody seals present?			✓	
Were bottle custody seals intact?			✓	
Did all bottle labels agree with COC?	✓			
Were correct containers used for the tests requested?	✓			
Was sufficient amount of sample sent for tests indicated?	✓			
Were bubbles present in VOA Vials? (Volatiles Methods Only)		✓		
Were Ascorbic Acid Bottles Received with VOAs?			✓	

Section 5-Comment/Discrepancies

Sample(s) Split/Preserve: Yes or No Container: VOA Preservation: ⊗ Initials:

Filtered: Yes No Container: Preservation: Initials:

Was Client Service Supervisor notified of discrepancies: Yes or No N/A Notified by:

Explanations/Comments:

Labeled by: Checked by:

FL-SC-0003-02

Moore Twining Associates, Inc.

Sample Integrity

Page 7 of 8 WO# 4413071 MTA Bottles: Yes or No

Plastic 125mL (A) Plastic 250mL (B) Plastic 1L (C) Amber Glass (AG)

Sample(s) Received	1	2	3-8	5	7-9	10	11-12	13	14-16	17	18
Bacti 100mL Thiosulfate											
None Preserved Plastic											
HNO3 Plastic											
H2SO4 Plastic											
NaOH Plastic											
300mL DO Bottle											
Other H012											
Client Own											
1L Plastic NaOH/ZnAc											
250mL (AG) None											
250mL (AG) H2SO4											
250mL (AG) Thio 547, 548											
250mL (AG) Other											
500mL Clear Glass None											
1L (AG) None				3							
1L (AG) HCl								3			
1L (AG) Thio 525, 515											
40mL (AG VOA) Thio + K Citrate 531.2											
40mL VOA Vial - HCl				4							
40mL VOA Vial - None		1						4			
40mL VOA Vial - H3PO4						1			1		1
40mL VOA Vial (AG) - thio (THM)											
40mL VOA Vial - Na2SO3 (thio)											
Soil Jar Clear Glass 125mL 250mL 500mL											
THM 40mL VOA None											
Plastic Bag											
Soil Tube	1	1	1		1	1	1		1	1	1
Tedlar Bags											
Asbestos 1L Plastic											
Gross Alpha/Beta 1L HNO3 each											
Radiological 226/228 1L HNO3 each											
Radon											
Low Level Hg/Metals Double Bag											

FL-SC-0003-02 b

Sample Integrity

Page 8 of 8 WO# 4A13071 MTA Bottles: Yes or No

Plastic 125mL (A) Plastic 250mL (B) Plastic 1L (C) Amber Glass (AG)

Sample(s) Received	19	20	21-22	23-25	26-27	28	29	30	31	32-33	34	35
Bacti 100mL Thiosulfate												
None Preserved Plastic												
HNO3 Plastic												
H2SO4 Plastic												
NaOH Plastic												
300mL DO Bottle												
Other												
Client Own												
1L Plastic NaOH/ZnAc												
250mL (AG) None												
250mL (AG) H2SO4												
250mL (AG) Thio 547, 548												
250mL (AG) Other												
500mL Clear Glass None												
1L (AG) None		3				3						3
1L (AG) HCl												
1L (AG) Thio 525, 515												
40mL (AG VOA) Thio + K Citrate 531.2												
40mL VOA Vial - HCl		7				4						4
40mL VOA Vial - None				1				1		1		
40mL VOA Vial - H3PO4												
40mL VOA Vial (AG) - thio (THM)												
40mL VOA Vial - Na2SO3 (thio)												
Soil Jar Clear Glass 125mL 250mL 500mL												
THM 40mL VOA None												
Plastic Bag												
Soil Tube	1		1	1	1		1	1	1	1	1	
Tedlar Bags												
Asbestos 1L Plastic												
Gross Alpha/Beta 1L HNO3 each												
Radiological 226/228 1L HNO3 each												
Radon												
Low Level Hg/Metals Double Bag												

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

February 05, 2014

Work Order #: 4A08030

Keith Mayes
MTA Environmental Division
2527 Fresno Street
Fresno, CA 93721

RE: Fugro West - Mercury Cleaners

Enclosed are the analytical results for samples received by our laboratory on 01/08/14 . For your reference, these analyses have been assigned laboratory work order number 4A08030 .

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

Moore Twining Associates, Inc.

Julio Morales
Client Services Supervisor

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04.72120008 Ph. 14
Project Manager: Keith Mayes

Reported:
02/05/14 11:05

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FB-15@10	4A08030-03	Soil	01/06/14 09:40	01/08/14 13:30
FB-15@15	4A08030-06	Soil	01/06/14 10:10	01/08/14 13:30
FB-15@17.5	4A08030-07	Soil	01/06/14 10:25	01/08/14 13:30
FB-15	4A08030-09	Water	01/06/14 11:30	01/08/14 13:30
FB-19@15	4A08030-13	Soil	01/06/14 13:20	01/08/14 13:30
FB-19@17.5	4A08030-14	Soil	01/06/14 13:42	01/08/14 13:30
FB-19	4A08030-16	Water	01/06/14 14:30	01/08/14 13:30
FB-20@10	4A08030-19	Soil	01/07/14 09:25	01/08/14 13:30
FB-20@20	4A08030-22	Soil	01/07/14 10:25	01/08/14 13:30
FB-21@10	4A08030-27	Soil	01/07/14 12:14	01/08/14 13:30
FB-21@15	4A08030-28	Soil	01/07/14 12:45	01/08/14 13:30
FB-21@20	4A08030-30	Soil	01/07/14 13:45	01/08/14 13:30
FB-21	4A08030-31	Water	01/07/14 14:10	01/08/14 13:30

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

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(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04.72120008 Ph. 14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/05/14 11:05

FB-15@10

4A08030-03 (Soil) Sampled:01/06/14 09:40

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Gasoline		ND	1.0	mg/kg	1	T4A1409	01/14/14	01/14/14	EPA 8015B
Surrogate: 4-Bromofluorobenzene (FID)		*105 %*	*75-125*			*T4A1409*	*01/14/14*	*01/14/14*	*EPA 8015B*

MOORE TWINING ASSOCIATES, INC.

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MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04.72120008 Ph. 14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/05/14 11:05

FB-15@15

4A08030-06 (Soil) Sampled:01/06/14 10:10

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Gasoline	A, AS	**1900**	1000	mg/kg	5000	T4A1409	01/14/14	01/15/14	EPA 8015B
Surrogate: 4-Bromofluorobenzene (FID)		*119 %*	*75-125*			*T4A1409*	*01/14/14*	*01/15/14*	*EPA 8015B*

MOORE TWINING ASSOCIATES, INC.

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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04.72120008 Ph. 14
Project Manager: Keith Mayes

Reported:
02/05/14 11:05

FB-15@17.5

4A08030-07 (Soil) Sampled:01/06/14 10:25

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
N-Nitrosodimethylamine		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosomethylethylamine		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Methyl Methanesulfonate		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosodiethylamine		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Ethyl Methanesulfonate		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Phenol		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Bis(2-chloroethyl)ether		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Chlorophenol		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
1,4-Dichlorobenzene		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzyl alcohol		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Bis(2-chloroisopropyl)ether		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Methylphenol		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Acetophenone		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosopyrrolidine		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Hexachloroethane		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
o-Toluidine		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Methylphenol		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosodi-n-propylamine		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Nitrobenzene		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosopiperidine		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Isophorone		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Nitrophenol		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4-Dimethylphenol		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Bis(2-chloroethoxy)methane		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4-Dichlorophenol		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
1,2,4-Trichlorobenzene		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzoic acid		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Safrole		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
2,6-Dichlorophenol		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosodi-n-butylamine		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Chloro-3-methylphenol		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Methylnaphthalene		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Hexachlorocyclopentadiene		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04.72120008 Ph. 14
Project Manager: Keith Mayes

Reported:
02/05/14 11:05

FB-15@17.5

4A08030-07 (Soil) Sampled:01/06/14 10:25

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
2,4,5-Trichlorophenol		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4,6-Trichlorophenol		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Chloronaphthalene		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Nitroaniline		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
1,4-Naphthoquinone		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Dimethyl phthalate		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Acenaphthylene		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
1,3-Dinitrobenzene		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
2,6-Dinitrotoluene		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
3-Nitroaniline		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
5-Nitro-o-toluidine		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
1,2-Diphenylhydrazine		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Acenaphthene		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4-Dinitrophenol		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Pentachlorobenzene		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Nitrophenol		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
1-Naphthylamine		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4-Dinitrotoluene		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Naphthylamine		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
2,3,4,6-Tetrachlorophenol		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Fluorene		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Diethyl phthalate		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Chlorophenyl phenyl ether		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Methapyrilene		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Nitroaniline		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Aminobiphenyl		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Diphenylamine		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzidine		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosodiphenylamine		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
4,6-Dinitro-2-methylphenol		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Phenacetin		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Pentachloronitrobenzene		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Bromophenyl phenyl ether		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04.72120008 Ph. 14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/05/14 11:05

FB-15@17.5

4A08030-07 (Soil) Sampled:01/06/14 10:25

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Hexachlorobenzene		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Pentachlorophenol		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Phenanthrene		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Anthracene		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Di-n-butyl phthalate		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Fluoranthene		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Pyrene		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
p-Dimethylaminoazobenzene		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
3,3´-Dimethylbenzidine		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Butyl benzyl phthalate		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Acetylaminofluorene		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo (a) anthracene		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Chrysene		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Bis(2-ethylhexyl) phthalate		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Di-n-octyl phthalate		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
7,12-Dimethylbenz(a)anthracene		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo (b) fluoranthene		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo (k) fluoranthene		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo (a) pyrene		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
3,3'-Dichlorobenzidine		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
3-Methylcholanthrene		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Indeno(1,2,3-cd)pyrene		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Dibenzo(a,h)anthracene		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo(ghi)perylene		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
O,O,O-Triethyl phosphorothioate		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Pronamide		ND	3.3	mg/kg	10	T4A2002	01/20/14	01/24/14	EPA 8270C
Surrogate: 2-Fluorophenol		*30.9 %*	*22-92*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: Phenol-d5		*42.3 %*	*10-94*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: Nitrobenzene-d5	S02	*26.6 %*	*41-110*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: 2-Fluorobiphenyl		*44.4 %*	*40-92*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: 2,4,6-Tribromophenol	S02	*47.1 %*	*49-138*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: d14-Terphenyl		*60.4 %*	*44-131*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04.72120008 Ph. 14
Project Manager: Keith Mayes

Reported:
02/05/14 11:05

FB-15

4A08030-09 (Water) Sampled:01/06/14 11:30

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
N-Nitrosodimethylamine	D2	ND	3000	µg/L	500	T4A1019	01/10/14	01/17/14	EPA 8270C
Aniline	D2	ND	3000	µg/L	500	T4A1019	01/10/14	01/17/14	EPA 8270C
Phenol	D2	ND	3000	µg/L	500	T4A1019	01/10/14	01/17/14	EPA 8270C
Bis(2-chloroethyl)ether	D2	ND	3000	µg/L	500	T4A1019	01/10/14	01/17/14	EPA 8270C
2-Chlorophenol	D2	ND	3000	µg/L	500	T4A1019	01/10/14	01/17/14	EPA 8270C
1,3-Dichlorobenzene	D2	ND	3000	µg/L	500	T4A1019	01/10/14	01/17/14	EPA 8270C
1,4-Dichlorobenzene	D2	ND	3000	µg/L	500	T4A1019	01/10/14	01/17/14	EPA 8270C
1,2-Dichlorobenzene	D2	ND	3000	µg/L	500	T4A1019	01/10/14	01/17/14	EPA 8270C
Benzyl alcohol	D2	ND	3000	µg/L	500	T4A1019	01/10/14	01/17/14	EPA 8270C
Bis(2-chloroisopropyl)ether	D2	ND	3000	µg/L	500	T4A1019	01/10/14	01/17/14	EPA 8270C
2-Methylphenol	D2	ND	3000	µg/L	500	T4A1019	01/10/14	01/17/14	EPA 8270C
Hexachloroethane	D2	ND	3000	µg/L	500	T4A1019	01/10/14	01/17/14	EPA 8270C
4-Methylphenol	D2	ND	3000	µg/L	500	T4A1019	01/10/14	01/17/14	EPA 8270C
N-Nitrosodi-n-propylamine	D2	ND	3000	µg/L	500	T4A1019	01/10/14	01/17/14	EPA 8270C
Nitrobenzene	D2	ND	3000	µg/L	500	T4A1019	01/10/14	01/17/14	EPA 8270C
Isophorone	D2	ND	3000	µg/L	500	T4A1019	01/10/14	01/17/14	EPA 8270C
2-Nitrophenol	D2	ND	3000	µg/L	500	T4A1019	01/10/14	01/17/14	EPA 8270C
2,4-Dimethylphenol	D2	ND	3000	µg/L	500	T4A1019	01/10/14	01/17/14	EPA 8270C
Bis(2-chloroethoxy)methane	D2	ND	3000	µg/L	500	T4A1019	01/10/14	01/17/14	EPA 8270C
2,4-Dichlorophenol	D2	ND	3000	µg/L	500	T4A1019	01/10/14	01/17/14	EPA 8270C
1,2,4-Trichlorobenzene	D2	ND	3000	µg/L	500	T4A1019	01/10/14	01/17/14	EPA 8270C
Naphthalene	D2	ND	3000	µg/L	500	T4A1019	01/10/14	01/17/14	EPA 8270C
Benzoic acid	D2	ND	3000	µg/L	500	T4A1019	01/10/14	01/17/14	EPA 8270C
4-Chloroaniline	D2	ND	3000	µg/L	500	T4A1019	01/10/14	01/17/14	EPA 8270C
2,6-Dichlorophenol	D2	ND	3000	µg/L	500	T4A1019	01/10/14	01/17/14	EPA 8270C
Hexachlorobutadiene	D2	ND	3000	µg/L	500	T4A1019	01/10/14	01/17/14	EPA 8270C
4-Chloro-3-methylphenol	D2	ND	3000	µg/L	500	T4A1019	01/10/14	01/17/14	EPA 8270C
2-Methylnaphthalene	D2	ND	3000	µg/L	500	T4A1019	01/10/14	01/17/14	EPA 8270C
Hexachlorocyclopentadiene		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
2,4,5-Trichlorophenol		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
2,4,6-Trichlorophenol		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
2-Chloronaphthalene		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
2-Nitroaniline		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C

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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04.72120008 Ph. 14
Project Manager: Keith Mayes

Reported:
02/05/14 11:05

FB-15

4A08030-09 (Water) Sampled:01/06/14 11:30

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Dimethyl phthalate		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Acenaphthylene		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
2,6-Dinitrotoluene		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
3-Nitroaniline		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Acenaphthene		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
2,4-Dinitrophenol		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Dibenzofuran		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
4-Nitrophenol		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
2,4-Dinitrotoluene		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Fluorene		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Diethyl phthalate		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
4-Chlorophenyl phenyl ether		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
4-Nitroaniline		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
1,2-Diphenylhydrazine		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Benzidine		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
N-Nitrosodiphenylamine		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
4,6-Dinitro-2-methylphenol		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
4-Bromophenyl phenyl ether		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Hexachlorobenzene		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Pentachlorophenol		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Phenanthrene		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Anthracene		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Di-n-butyl phthalate		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Fluoranthene		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Pyrene		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Butyl benzyl phthalate		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Benzo (a) anthracene		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Chrysene		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Bis(2-ethylhexyl) phthalate		**8.1**	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Di-n-octyl phthalate		**8.8**	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
7,12-Dimethylbenz(a)anthracene		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Benzo (b) fluoranthene		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Benzo (k) fluoranthene		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Benzo (a) pyrene		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C

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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04.72120008 Ph. 14
Project Manager: Keith Mayes

Reported:
02/05/14 11:05

FB-15

4A08030-09 (Water) Sampled:01/06/14 11:30

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
3,3'-Dichlorobenzidine		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Indeno(1,2,3-cd)pyrene		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Dibenzo(a,h)anthracene		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Benzo(ghi)perylene		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
alpha-BHC		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
beta-BHC		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
gamma-BHC (Lindane)		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
delta-BHC		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Heptachlor		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Heptachlor epoxide		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Aldrin		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Endosulfan I		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
4,4´-DDE		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Endosulfan II		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
4,4´-DDD		**7.3**	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
4,4´-DDT		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Dieldrin		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Endrin aldehyde		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Endosulfan sulfate		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Endrin		ND	6.0	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Surrogate: 2-Fluorophenol	S02	*6.60 %*	*22-92*			*T4A1019*	*01/10/14*	*01/14/14*	*EPA 8270C*
Surrogate: Phenol-d5		*18.3 %*	*10-94*			*T4A1019*	*01/10/14*	*01/14/14*	*EPA 8270C*
Surrogate: Nitrobenzene-d5	S02	*15100 %*	*41-110*			*T4A1019*	*01/10/14*	*01/14/14*	*EPA 8270C*
Surrogate: 2-Fluorobiphenyl		*85.0 %*	*40-92*			*T4A1019*	*01/10/14*	*01/14/14*	*EPA 8270C*
Surrogate: 2,4,6-Tribromophenol	S02	*12.2 %*	*49-138*			*T4A1019*	*01/10/14*	*01/14/14*	*EPA 8270C*
Surrogate: d14-Terphenyl		*63.2 %*	*44-131*			*T4A1019*	*01/10/14*	*01/14/14*	*EPA 8270C*
Volatile Organics									
Dichlorodifluoromethane (CFC-12)		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Chloromethane		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Vinyl chloride		**4.1**	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Bromomethane		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Chloroethane		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Trichlorofluoromethane (CFC-11)		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B

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MTA Environmental Division
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Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04.72120008 Ph. 14
Project Manager: Keith Mayes

Reported:
02/05/14 11:05

FB-15

4A08030-09 (Water) Sampled:01/06/14 11:30

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Ethanol		ND	50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,1-Dichloroethene		**3.3**	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Carbon disulfide		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Iodomethane		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Acrolein		ND	10	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Methylene chloride		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Acetone		ND	10	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
trans-1,2-Dichloroethene		**95**	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
tert-Butyl alcohol (TBA)		**24**	20	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Acetonitrile		ND	10	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,1-Dichloroethane		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Acrylonitrile		ND	5.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Vinyl acetate		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
cis-1,2-Dichloroethene		**16000**	50	µg/L	100	T4A0905	01/09/14	01/10/14	EPA 8260B
2,2-Dichloropropane		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Bromochloromethane		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Chloroform		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Carbon tetrachloride		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
2-Butanone (MEK)		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,1-Dichloropropene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Isobutyl alcohol		ND	20	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Propionitrile		ND	10	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Benzene		**15**	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Methacrylonitrile		ND	5.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Trichloroethene (TCE)		**130**	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Dibromomethane		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,2-Dichloropropane		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B

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Project: Fugro West - Mercury Cleaners
Project Number: 04.72120008 Ph. 14
Project Manager: Keith Mayes

Reported:
02/05/14 11:05

FB-15

4A08030-09 (Water) Sampled:01/06/14 11:30

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Bromodichloromethane		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Methyl Methacrylate		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
2-Chloroethylvinyl ether		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
cis-1,3-Dichloropropene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Toluene		**4.7**	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
trans-1,3-Dichloropropene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Tetrachloroethene (PCE)		**140**	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,1,2-Trichloroethane		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Ethyl methacrylate		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Dibromochloromethane		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,3-Dichloropropane		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
2-Hexanone		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Ethylbenzene		**8.8**	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Chlorobenzene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,1,1,2-Tetrachloroethane		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
m,p-Xylene		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
o-Xylene		**0.62**	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Styrene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Bromoform		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Isopropylbenzene		**14**	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	5.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Bromobenzene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
n-Propylbenzene		**6.2**	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
2-Chlorotoluene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
4-Chlorotoluene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
tert-Butylbenzene		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,2,4-Trimethylbenzene		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
sec-Butylbenzene		**10**	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
p-Isopropyltoluene		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04.72120008 Ph. 14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/05/14 11:05

FB-15

4A08030-09 (Water) Sampled:01/06/14 11:30

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
1,3-Dichlorobenzene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,4-Dichlorobenzene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
n-Butylbenzene		**5.0**	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Hexachloroethane		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,2-Dichlorobenzene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	5.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,2,4-Trichlorobenzene		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Hexachlorobutadiene		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Naphthalene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Xylenes		ND	2.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Surrogate: 4-Bromofluorobenzene		*115 %*	*70-130*			*T4A0905*	*01/09/14*	*01/10/14*	*EPA 8260B*
Surrogate: Dibromofluoromethane		*102 %*	*70-130*			*T4A0905*	*01/09/14*	*01/10/14*	*EPA 8260B*
Surrogate: Toluene-d8		*103 %*	*70-130*			*T4A0905*	*01/09/14*	*01/10/14*	*EPA 8260B*
Gasoline	A	**1600**	500	µg/L	10	T4A0906	01/09/14	01/10/14	EPA 8015B
Surrogate: 4-Bromofluorobenzene (FID)		*100 %*	*75-125*			*T4A0906*	*01/09/14*	*01/10/14*	*EPA 8015B*

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
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MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04.72120008 Ph. 14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/05/14 11:05

FB-19@15

4A08030-13 (Soil) Sampled:01/06/14 13:20

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Gasoline		ND	1.0	mg/kg	1	T4A1409	01/14/14	01/14/14	EPA 8015B
Surrogate: 4-Bromofluorobenzene (FID)		*107 %*	*75-125*			*T4A1409*	*01/14/14*	*01/14/14*	*EPA 8015B*

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California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04.72120008 Ph. 14
Project Manager: Keith Mayes

Reported:
02/05/14 11:05

FB-19@17.5

4A08030-14 (Soil) Sampled:01/06/14 13:42

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
N-Nitrosodimethylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosomethylethylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Methyl Methanesulfonate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosodiethylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Ethyl Methanesulfonate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Phenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Bis(2-chloroethyl)ether		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Chlorophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,4-Dichlorobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzyl alcohol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Bis(2-chloroisopropyl)ether		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Methylphenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Acetophenone		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosopyrrolidine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Hexachloroethane		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
o-Toluidine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Methylphenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosodi-n-propylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Nitrobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosopiperidine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Isophorone		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Nitrophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4-Dimethylphenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Bis(2-chloroethoxy)methane		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4-Dichlorophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,2,4-Trichlorobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzoic acid		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Safrole		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,6-Dichlorophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosodi-n-butylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Chloro-3-methylphenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Methylnaphthalene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Hexachlorocyclopentadiene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04.72120008 Ph. 14
Project Manager: Keith Mayes

Reported:
02/05/14 11:05

FB-19@17.5

4A08030-14 (Soil) Sampled:01/06/14 13:42

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
2,4,5-Trichlorophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4,6-Trichlorophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Chloronaphthalene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Nitroaniline		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,4-Naphthoquinone		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Dimethyl phthalate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Acenaphthylene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,3-Dinitrobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,6-Dinitrotoluene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
3-Nitroaniline		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
5-Nitro-o-toluidine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1,2-Diphenylhydrazine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Acenaphthene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4-Dinitrophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pentachlorobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Nitrophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
1-Naphthylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,4-Dinitrotoluene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Naphthylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2,3,4,6-Tetrachlorophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Fluorene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Diethyl phthalate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Chlorophenyl phenyl ether		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Methapyrilene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Nitroaniline		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Aminobiphenyl		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Diphenylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzidine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
N-Nitrosodiphenylamine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4,6-Dinitro-2-methylphenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Phenacetin		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pentachloronitrobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
4-Bromophenyl phenyl ether		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04.72120008 Ph. 14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/05/14 11:05

FB-19@17.5

4A08030-14 (Soil) Sampled:01/06/14 13:42

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Hexachlorobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pentachlorophenol		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Phenanthrene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Anthracene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Di-n-butyl phthalate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Fluoranthene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pyrene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
p-Dimethylaminoazobenzene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
3,3´-Dimethylbenzidine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Butyl benzyl phthalate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
2-Acetylaminofluorene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo (a) anthracene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Chrysene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Bis(2-ethylhexyl) phthalate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Di-n-octyl phthalate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
7,12-Dimethylbenz(a)anthracene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo (b) fluoranthene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo (k) fluoranthene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo (a) pyrene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
3,3'-Dichlorobenzidine		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
3-Methylcholanthrene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Indeno(1,2,3-cd)pyrene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Dibenzo(a,h)anthracene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Benzo(ghi)perylene		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
O,O,O-Triethyl phosphorothioate		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Pronamide		ND	0.33	mg/kg	1	T4A2002	01/20/14	01/24/14	EPA 8270C
Surrogate: 2-Fluorophenol		*27.1 %*	*22-92*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: Phenol-d5		*43.5 %*	*10-94*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: Nitrobenzene-d5	S02	*17.1 %*	*41-110*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: 2-Fluorobiphenyl	S02	*30.2 %*	*40-92*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: 2,4,6-Tribromophenol		*52.6 %*	*49-138*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*
Surrogate: d14-Terphenyl		*64.8 %*	*44-131*			*T4A2002*	*01/20/14*	*01/24/14*	*EPA 8270C*

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04.72120008 Ph. 14
Project Manager: Keith Mayes

Reported:
02/05/14 11:05

FB-19

4A08030-16 (Water) Sampled:01/06/14 14:30

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
N-Nitrosodimethylamine		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Aniline		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Phenol		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Bis(2-chloroethyl)ether		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
2-Chlorophenol		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
1,3-Dichlorobenzene		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
1,4-Dichlorobenzene		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
1,2-Dichlorobenzene		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Benzyl alcohol		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Bis(2-chloroisopropyl)ether		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
2-Methylphenol		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Hexachloroethane		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
4-Methylphenol		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
N-Nitrosodi-n-propylamine		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Nitrobenzene		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Isophorone		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
2-Nitrophenol		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
2,4-Dimethylphenol		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Bis(2-chloroethoxy)methane		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
2,4-Dichlorophenol		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
1,2,4-Trichlorobenzene		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Naphthalene		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Benzoic acid		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
4-Chloroaniline		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
2,6-Dichlorophenol		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Hexachlorobutadiene		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
4-Chloro-3-methylphenol		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
2-Methylnaphthalene		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Hexachlorocyclopentadiene		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
2,4,5-Trichlorophenol		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
2,4,6-Trichlorophenol		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
2-Chloronaphthalene		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
2-Nitroaniline		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04.72120008 Ph. 14
Project Manager: Keith Mayes

Reported:
02/05/14 11:05

FB-19

4A08030-16 (Water) Sampled:01/06/14 14:30

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Dimethyl phthalate		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Acenaphthylene		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
2,6-Dinitrotoluene		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
3-Nitroaniline		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Acenaphthene		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
2,4-Dinitrophenol		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Dibenzofuran		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
4-Nitrophenol		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
2,4-Dinitrotoluene		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Fluorene		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Diethyl phthalate		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
4-Chlorophenyl phenyl ether		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
4-Nitroaniline		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
1,2-Diphenylhydrazine		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Benzidine		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
N-Nitrosodiphenylamine		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
4,6-Dinitro-2-methylphenol		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
4-Bromophenyl phenyl ether		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Hexachlorobenzene		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Pentachlorophenol		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Phenanthrene		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Anthracene		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Di-n-butyl phthalate		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Fluoranthene		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Pyrene		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Butyl benzyl phthalate		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Benzo (a) anthracene		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Chrysene		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Bis(2-ethylhexyl) phthalate		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Di-n-octyl phthalate		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
7,12-Dimethylbenz(a)anthracene		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Benzo (b) fluoranthene		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Benzo (k) fluoranthene		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C

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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04.72120008 Ph. 14
Project Manager: Keith Mayes

Reported:
02/05/14 11:05

FB-19

4A08030-16 (Water) Sampled:01/06/14 14:30

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Benzo (a) pyrene		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
3,3'-Dichlorobenzidine		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Indeno(1,2,3-cd)pyrene		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Dibenzo(a,h)anthracene		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Benzo(ghi)perylene		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
alpha-BHC		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
beta-BHC		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
gamma-BHC (Lindane)		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
delta-BHC		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Heptachlor		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Heptachlor epoxide		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Aldrin		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Endosulfan I		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
4,4´-DDE		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Endosulfan II		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
4,4´-DDD		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
4,4´-DDT		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Dieldrin		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Endrin aldehyde		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Endosulfan sulfate		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Endrin		ND	6.5	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Surrogate: 2-Fluorophenol	S02	*1.50 %*	*22-92*			*T4A1019*	*01/10/14*	*01/14/14*	*EPA 8270C*
Surrogate: Phenol-d5	S02	*1.52 %*	*10-94*			*T4A1019*	*01/10/14*	*01/14/14*	*EPA 8270C*
Surrogate: Nitrobenzene-d5	S02	*165 %*	*41-110*			*T4A1019*	*01/10/14*	*01/14/14*	*EPA 8270C*
Surrogate: 2-Fluorobiphenyl		*83.2 %*	*40-92*			*T4A1019*	*01/10/14*	*01/14/14*	*EPA 8270C*
Surrogate: 2,4,6-Tribromophenol	S02	*15.3 %*	*49-138*			*T4A1019*	*01/10/14*	*01/14/14*	*EPA 8270C*
Surrogate: d14-Terphenyl		*47.2 %*	*44-131*			*T4A1019*	*01/10/14*	*01/14/14*	*EPA 8270C*
Volatile Organics									
Dichlorodifluoromethane (CFC-12)		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Chloromethane		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Vinyl chloride		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Bromomethane		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Chloroethane		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04.72120008 Ph. 14
Project Manager: Keith Mayes

Reported:
02/05/14 11:05

FB-19

4A08030-16 (Water) Sampled:01/06/14 14:30

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Trichlorofluoromethane (CFC-11)		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Ethanol		ND	50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,1-Dichloroethene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Carbon disulfide		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Iodomethane		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Acrolein		ND	10	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Methylene chloride		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Acetone		ND	10	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
trans-1,2-Dichloroethene		**1.8**	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
tert-Butyl alcohol (TBA)		ND	20	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Acetonitrile		ND	10	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,1-Dichloroethane		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Acrylonitrile		ND	5.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Vinyl acetate		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
cis-1,2-Dichloroethene		**150**	1.0	µg/L	2	T4A0905	01/09/14	01/10/14	EPA 8260B
2,2-Dichloropropane		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Bromochloromethane		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Chloroform		**0.63**	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Carbon tetrachloride		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
2-Butanone (MEK)		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,1-Dichloropropene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Isobutyl alcohol		ND	20	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Propionitrile		ND	10	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Benzene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Methacrylonitrile		ND	5.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Trichloroethene (TCE)		**2.6**	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Dibromomethane		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
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MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04.72120008 Ph. 14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/05/14 11:05

FB-19

4A08030-16 (Water) Sampled:01/06/14 14:30

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
1,2-Dichloropropane		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Bromodichloromethane		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Methyl Methacrylate		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
2-Chloroethylvinyl ether		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
cis-1,3-Dichloropropene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Toluene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
trans-1,3-Dichloropropene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Tetrachloroethene (PCE)		**4.0**	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,1,2-Trichloroethane		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Ethyl methacrylate		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Dibromochloromethane		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,3-Dichloropropane		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
2-Hexanone		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Ethylbenzene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Chlorobenzene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,1,1,2-Tetrachloroethane		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
m,p-Xylene		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
o-Xylene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Styrene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Bromoform		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Isopropylbenzene		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	5.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Bromobenzene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
n-Propylbenzene		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
2-Chlorotoluene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
4-Chlorotoluene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
tert-Butylbenzene		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,2,4-Trimethylbenzene		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
sec-Butylbenzene		**2.0**	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04.72120008 Ph. 14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/05/14 11:05

FB-19

4A08030-16 (Water) Sampled:01/06/14 14:30

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
p-Isopropyltoluene		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,3-Dichlorobenzene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,4-Dichlorobenzene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
n-Butylbenzene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Hexachloroethane		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,2-Dichlorobenzene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	5.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,2,4-Trichlorobenzene		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Hexachlorobutadiene		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Naphthalene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Xylenes		ND	2.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Surrogate: 4-Bromofluorobenzene		*98.9 %*	*70-130*			*T4A0905*	*01/09/14*	*01/10/14*	*EPA 8260B*
Surrogate: Dibromofluoromethane		*86.0 %*	*70-130*			*T4A0905*	*01/09/14*	*01/10/14*	*EPA 8260B*
Surrogate: Toluene-d8		*108 %*	*70-130*			*T4A0905*	*01/09/14*	*01/10/14*	*EPA 8260B*
Gasoline	A	**230**	100	µg/L	2	T4A0906	01/09/14	01/10/14	EPA 8015B
Surrogate: 4-Bromofluorobenzene (FID)		*116 %*	*75-125*			*T4A0906*	*01/09/14*	*01/10/14*	*EPA 8015B*

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04.72120008 Ph. 14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/05/14 11:05

FB-20@10

4A08030-19 (Soil) Sampled:01/07/14 09:25

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Gasoline		ND	1.0	mg/kg	1	T4A1409	01/14/14	01/14/14	EPA 8015B
Surrogate: 4-Bromofluorobenzene (FID)		*105 %*	*75-125*			*T4A1409*	*01/14/14*	*01/14/14*	*EPA 8015B*

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MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04.72120008 Ph. 14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/05/14 11:05

FB-20@20

4A08030-22 (Soil) Sampled:01/07/14 10:25

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Gasoline		ND	1.0	mg/kg	1	T4A1409	01/14/14	01/14/14	EPA 8015B
Surrogate: 4-Bromofluorobenzene (FID)		*123 %*	*75-125*			*T4A1409*	*01/14/14*	*01/14/14*	*EPA 8015B*

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2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04.72120008 Ph. 14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/05/14 11:05

FB-21@10

4A08030-27 (Soil) Sampled:01/07/14 12:14

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Gasoline		ND	1.0	mg/kg	1	T4A1409	01/14/14	01/14/14	EPA 8015B
Surrogate: 4-Bromofluorobenzene (FID)		*107 %*	*75-125*			*T4A1409*	*01/14/14*	*01/14/14*	*EPA 8015B*

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(559) 268-0740 Fax

MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04.72120008 Ph. 14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/05/14 11:05

FB-21@15

4A08030-28 (Soil) Sampled:01/07/14 12:45

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Gasoline	A, AS	**550**	500	mg/kg	5000	T4A1409	01/14/14	01/15/14	EPA 8015B
Surrogate: 4-Bromofluorobenzene (FID)		*101 %*	*75-125*			*T4A1409*	*01/14/14*	*01/15/14*	*EPA 8015B*

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MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04.72120008 Ph. 14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/05/14 11:05

FB-21@20

4A08030-30 (Soil) Sampled:01/07/14 13:45

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Gasoline		ND	1.0	mg/kg	1	T4A1409	01/14/14	01/14/14	EPA 8015B
Surrogate: 4-Bromofluorobenzene (FID)		*122 %*	*75-125*			*T4A1409*	*01/14/14*	*01/14/14*	*EPA 8015B*

MOORE TWINING ASSOCIATES, INC.

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2527 Fresno Street
Fresno, CA 93721
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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04.72120008 Ph. 14
Project Manager: Keith Mayes

Reported:
02/05/14 11:05

FB-21

4A08030-31 (Water) Sampled:01/07/14 14:10

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
N-Nitrosodimethylamine		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Aniline		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Phenol		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Bis(2-chloroethyl)ether		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
2-Chlorophenol		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
1,3-Dichlorobenzene		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
1,4-Dichlorobenzene		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
1,2-Dichlorobenzene		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Benzyl alcohol		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Bis(2-chloroisopropyl)ether		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
2-Methylphenol		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Hexachloroethane		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
4-Methylphenol		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
N-Nitrosodi-n-propylamine		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Nitrobenzene		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Isophorone		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
2-Nitrophenol		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
2,4-Dimethylphenol		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Bis(2-chloroethoxy)methane		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
2,4-Dichlorophenol		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
1,2,4-Trichlorobenzene		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Naphthalene		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Benzoic acid		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
4-Chloroaniline		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
2,6-Dichlorophenol		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Hexachlorobutadiene		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
4-Chloro-3-methylphenol		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
2-Methylnaphthalene		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Hexachlorocyclopentadiene		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
2,4,5-Trichlorophenol		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
2,4,6-Trichlorophenol		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
2-Chloronaphthalene		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
2-Nitroaniline		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04.72120008 Ph. 14
Project Manager: Keith Mayes

Reported:
02/05/14 11:05

FB-21

4A08030-31 (Water) Sampled:01/07/14 14:10

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Dimethyl phthalate		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Acenaphthylene		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
2,6-Dinitrotoluene		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
3-Nitroaniline		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Acenaphthene		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
2,4-Dinitrophenol		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Dibenzofuran		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
4-Nitrophenol		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
2,4-Dinitrotoluene		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Fluorene		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Diethyl phthalate		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
4-Chlorophenyl phenyl ether		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
4-Nitroaniline		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
1,2-Diphenylhydrazine		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Benzidine		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
N-Nitrosodiphenylamine		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
4,6-Dinitro-2-methylphenol		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
4-Bromophenyl phenyl ether		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Hexachlorobenzene		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Pentachlorophenol		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Phenanthrene		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Anthracene		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Di-n-butyl phthalate		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Fluoranthene		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Pyrene		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Butyl benzyl phthalate		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Benzo (a) anthracene		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Chrysene		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Bis(2-ethylhexyl) phthalate		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Di-n-octyl phthalate		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
7,12-Dimethylbenz(a)anthracene		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Benzo (b) fluoranthene		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Benzo (k) fluoranthene		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C

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2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04.72120008 Ph. 14
Project Manager: Keith Mayes

Reported:
02/05/14 11:05

FB-21

4A08030-31 (Water) Sampled:01/07/14 14:10

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
Benzo (a) pyrene		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
3,3'-Dichlorobenzidine		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Indeno(1,2,3-cd)pyrene		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Dibenzo(a,h)anthracene		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Benzo(ghi)perylene		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
alpha-BHC		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
beta-BHC		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
gamma-BHC (Lindane)		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
delta-BHC		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Heptachlor		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Heptachlor epoxide		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Aldrin		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Endosulfan I		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
4,4´-DDE		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Endosulfan II		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
4,4´-DDD		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
4,4´-DDT		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Dieldrin		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Endrin aldehyde		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Endosulfan sulfate		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Endrin		ND	5.7	µg/L	1	T4A1019	01/10/14	01/14/14	EPA 8270C
Surrogate: 2-Fluorophenol	S02	*4.69 %*	*22-92*			*T4A1019*	*01/10/14*	*01/14/14*	*EPA 8270C*
Surrogate: Phenol-d5	S02	*2.46 %*	*10-94*			*T4A1019*	*01/10/14*	*01/14/14*	*EPA 8270C*
Surrogate: Nitrobenzene-d5		*86.8 %*	*41-110*			*T4A1019*	*01/10/14*	*01/14/14*	*EPA 8270C*
Surrogate: 2-Fluorobiphenyl		*83.7 %*	*40-92*			*T4A1019*	*01/10/14*	*01/14/14*	*EPA 8270C*
Surrogate: 2,4,6-Tribromophenol		*59.7 %*	*49-138*			*T4A1019*	*01/10/14*	*01/14/14*	*EPA 8270C*
Surrogate: d14-Terphenyl		*73.1 %*	*44-131*			*T4A1019*	*01/10/14*	*01/14/14*	*EPA 8270C*
Volatile Organics									
Dichlorodifluoromethane (CFC-12)		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Chloromethane		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Vinyl chloride		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Bromomethane		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Chloroethane		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B

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California ELAP Certificate #1371

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MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: Fugro West - Mercury Cleaners
Project Number: 04.72120008 Ph. 14
Project Manager: Keith Mayes

Reported:
02/05/14 11:05

FB-21

4A08030-31 (Water) Sampled:01/07/14 14:10

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
Trichlorofluoromethane (CFC-11)		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Ethanol		ND	50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Trichlorotrifluoroethane (CFC-113)		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,1-Dichloroethene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Carbon disulfide		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Iodomethane		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Acrolein		ND	10	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Methylene chloride		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Acetone		ND	10	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
trans-1,2-Dichloroethene		**0.94**	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
tert-Butyl alcohol (TBA)		ND	20	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Methyl tert-Butyl Ether (MTBE)		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Acetonitrile		ND	10	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Di-isopropyl ether (DIPE)		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,1-Dichloroethane		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Acrylonitrile		ND	5.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Ethyl tert-Butyl Ether (ETBE)		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Vinyl acetate		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
cis-1,2-Dichloroethene		**270**	2.5	µg/L	5	T4A0905	01/09/14	01/10/14	EPA 8260B
2,2-Dichloropropane		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Bromochloromethane		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Chloroform		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Carbon tetrachloride		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
2-Butanone (MEK)		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,1,1-Trichloroethane (TCA)		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,1-Dichloropropene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Isobutyl alcohol		ND	20	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Propionitrile		ND	10	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Tert-Amyl Methyl Ether (TAME)		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Benzene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Methacrylonitrile		ND	5.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,2-Dichloroethane (1,2-DCA)		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Trichloroethene (TCE)		**70**	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Dibromomethane		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04.72120008 Ph. 14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/05/14 11:05

FB-21

4A08030-31 (Water) Sampled:01/07/14 14:10

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
1,2-Dichloropropane		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Bromodichloromethane		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Methyl Methacrylate		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
2-Chloroethylvinyl ether		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
cis-1,3-Dichloropropene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Toluene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
4-Methyl-2-pentanone (MIBK)		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
trans-1,3-Dichloropropene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Tetrachloroethene (PCE)		**180**	2.5	µg/L	5	T4A0905	01/09/14	01/10/14	EPA 8260B
1,1,2-Trichloroethane		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Ethyl methacrylate		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Dibromochloromethane		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,3-Dichloropropane		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,2-Dibromoethane (EDB)		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
2-Hexanone		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Ethylbenzene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Chlorobenzene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,1,1,2-Tetrachloroethane		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
m,p-Xylene		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
o-Xylene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Styrene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Bromoform		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Isopropylbenzene		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
trans-1,4-Dichloro-2-butene		ND	5.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Bromobenzene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
n-Propylbenzene		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,1,2,2-Tetrachloroethane		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,3,5-Trimethylbenzene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
2-Chlorotoluene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,2,3-Trichloropropane (123TCP)		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
4-Chlorotoluene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
tert-Butylbenzene		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,2,4-Trimethylbenzene		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
sec-Butylbenzene		**2.0**	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

MTA Environmental Division	Project: Fugro West - Mercury Cleaners	
2527 Fresno Street	Project Number: 04.72120008 Ph. 14	**Reported:**
Fresno CA, 93721	Project Manager: Keith Mayes	02/05/14 11:05

FB-21

4A08030-31 (Water) Sampled:01/07/14 14:10

Analyte	Notes.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Volatile Organics									
p-Isopropyltoluene		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,3-Dichlorobenzene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,4-Dichlorobenzene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
n-Butylbenzene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Hexachloroethane		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,2-Dichlorobenzene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)		ND	5.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,2,4-Trichlorobenzene		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Hexachlorobutadiene		ND	1.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Naphthalene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
1,2,3-Trichlorobenzene		ND	0.50	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Xylenes		ND	2.0	µg/L	1	T4A0905	01/09/14	01/10/14	EPA 8260B
Surrogate: 4-Bromofluorobenzene		*104 %*	*70-130*			*T4A0905*	*01/09/14*	*01/10/14*	*EPA 8260B*
Surrogate: Dibromofluoromethane		*90.1 %*	*70-130*			*T4A0905*	*01/09/14*	*01/10/14*	*EPA 8260B*
Surrogate: Toluene-d8		*106 %*	*70-130*			*T4A0905*	*01/09/14*	*01/10/14*	*EPA 8260B*
Gasoline	A	**280**	50	µg/L	1	T4A0906	01/09/14	01/09/14	EPA 8015B
Surrogate: 4-Bromofluorobenzene (FID)		*101 %*	*75-125*			*T4A0906*	*01/09/14*	*01/09/14*	*EPA 8015B*

MOORE TWINING ASSOCIATES, INC.

California ELAP Certificate #1371

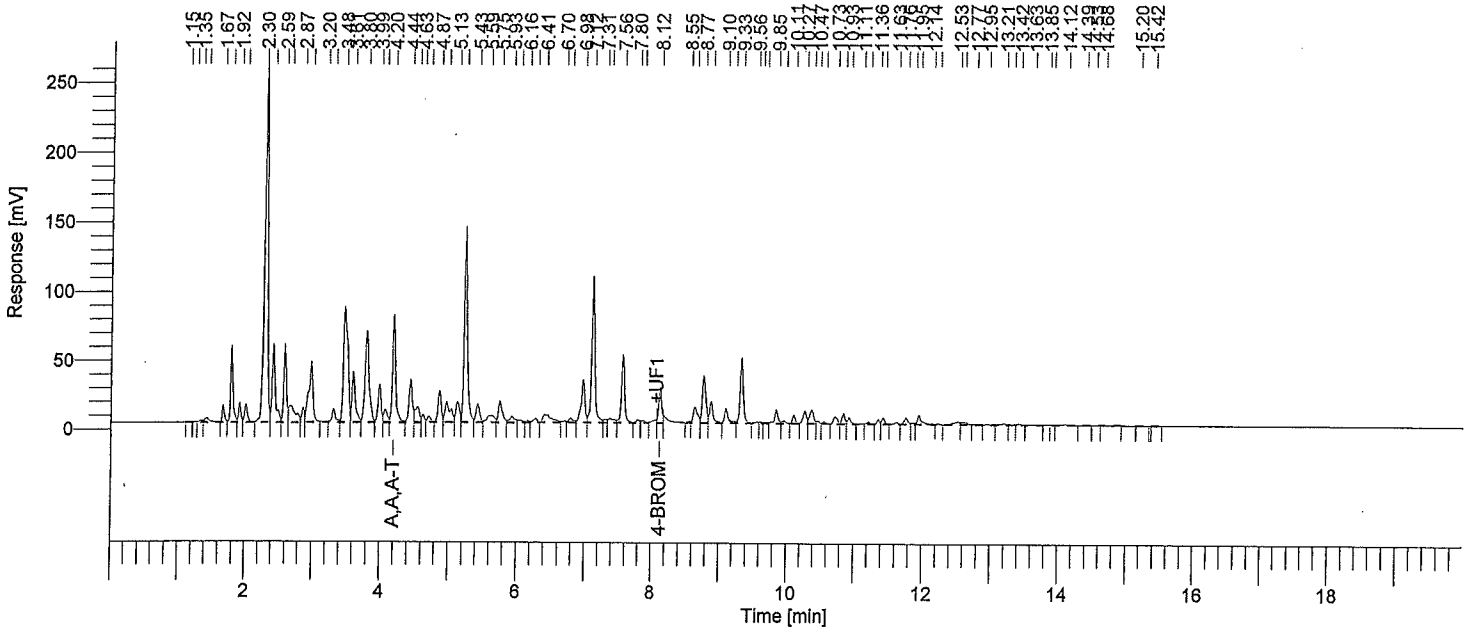
2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

Notes and Definitions

S02	Surrogate recovery was affected by the matrix.
RPD3	The RPD is out of range for this spike and its duplicate due to a low or high bias of one of the two spikes.
RPD	The RPD result exceeded the QC control limits. However, both percent recoveries were acceptable.
MS1	Recovery for this analyte was affected by matrix.
D2	Sample diluted due to high concentration(s) of non-target analyte(s).
D1	Sample diluted due to matrix effects.
BS2	Recovery for this analyte was biased low. Results were accepted based on duplicate results.
AS	Heavier hydrocarbon than gasoline
A	Hydrocarbon pattern present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
ug/L	micrograms per liter (parts per billion concentration units)
mg/kg	milligrams per kilogram (parts per million concentration units)
mg/L	milligrams per Liter (parts per million concentration units)
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
	Analysis of pH, filtration, and residual chlorine is to take place immediately after sampling in the field. If the test was performed in the laboratory, the hold time was exceeded. **(for aqueous matrices only)**

Software Version	: 6.3.1.0504	Date	: 1/16/2014 5:49:51 PM
Operator	: GeorgeB	Sample Name	: 1000 ppb Gasoline Standard
Sample Number	: 003	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: PE_GC	Channel	: A
Instrument Serial #	: 650N7100206	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 19.99 min
Sampling Rate	: 3.1250 pts/s		
Sample Volume	: 1.000000 ul		
Sample Amount	: 1.0000	Area Reject	: 0.000000
Internal Standard Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 1/14/2014 11:03:57 AM		
		Cycle	: 3

Raw Data File : C:\PE GC\Data\Clarus500\011414s\011414s_fid_data003.raw
Result File : C:\PE GC\Data\Clarus500\011414s\011414s_fid_data003.rst
Inst Method : c:\pe gc\methods\pe_btex_soil from C:\PE GC\Data\Clarus500\011414s\011414s_fid_data003.raw
Proc Method : c:\pe gc\methods\pe_gas_soil.mth from C:\PE GC\Data\Clarus500\011414s\011414s_fid_data003.rst
Calib Method : c:\pe gc\methods\pe_gas_soil.mth from C:\PE GC\Data\Clarus500\011414s\011414s_fid_data003.rst
Report Format File: c:\pe gc\methods\gas.rpt
Sequence File : C:\PE GC\Sequences\Clarus500\011414sl.seq



Gasoline Range Organics(GRO) - EPA Method 8015

Component Name	R.T. [min]	Area [µV·s]	Raw Amount	Adjusted Amount
a,a,a-Triflurotoluene - FID	4.20	246695	----------	----------
TPH-Gasoline	5.80	4697028	919.0866	919.087
4-Bromoflurobenzene - FID	8.12	77491	26.4697	26.470

CB
DA 1/16/14

Report stored in ASCII file: C:\PE GC\Data\Clarus500\011414s\011414s_fid_data003.TX0

Software Version	: 6.3.1.0504	Date	: 1/16/2014 5:01:12 PM
Reprocess Number	: btex-gas: 44215		
Operator	: GeorgeB		
Sample Number	: 006	Sample Name	: T4A1409-BLK1
AutoSampler	: NONE	Study	:
Instrument Name	: PE_GC	Rack/Vial	: 0/0
Instrument Serial #	: 650N7100206	Channel	: A
Delay Time	: 0.00 min	A/D mV Range	: 1000
Sampling Rate	: 3.1250 pts/s	End Time	: 19.99 min
Sample Volume	: 1.000000 ul		
Sample Amount	: 1.0000		
Internal Standard Amount	: 1.0000	Area Reject	: 0.000000
Data Acquisition Time	: 1/14/2014 2:10:49 PM	Dilution Factor	: 1.00
		Cycle	: 6

Raw Data File : C:\PE GC\Data\Clarus500\011414s\011414s_fid_data006.raw
Result File : c:\pe gc\data\clarus500\011414s\011414s_fid_data006.rst
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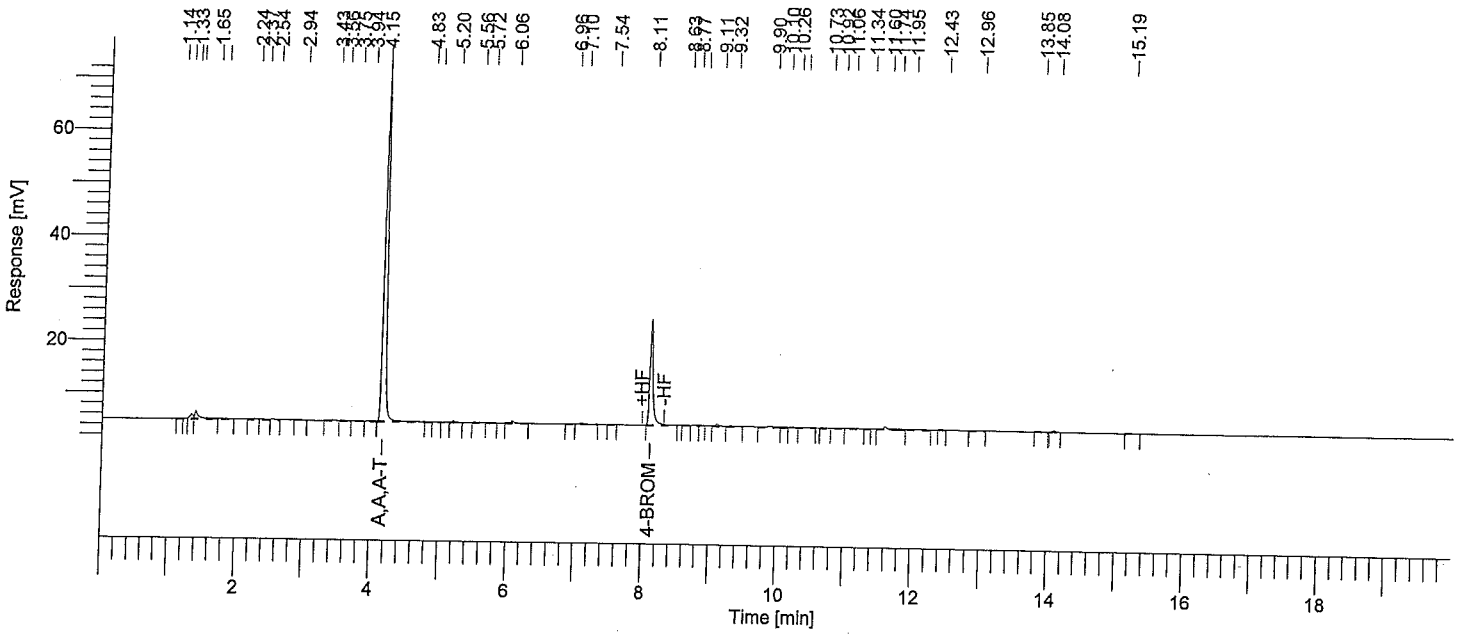
Proc Method : c:\pe gc\methods\pe_gas_soil.mth from c:\pe gc\data\clarus500\011414s\011414s_fid_data006.rst
Calib Method : c:\pe gc\methods\pe_gas_soil.mth from c:\pe gc\data\clarus500\011414s\011414s_fid_data006.rst
Report Format File: c:\pe gc\methods\gas.rpt
Sequence File : C:\PE GC\Sequences\Clarus500\011414sl.seq



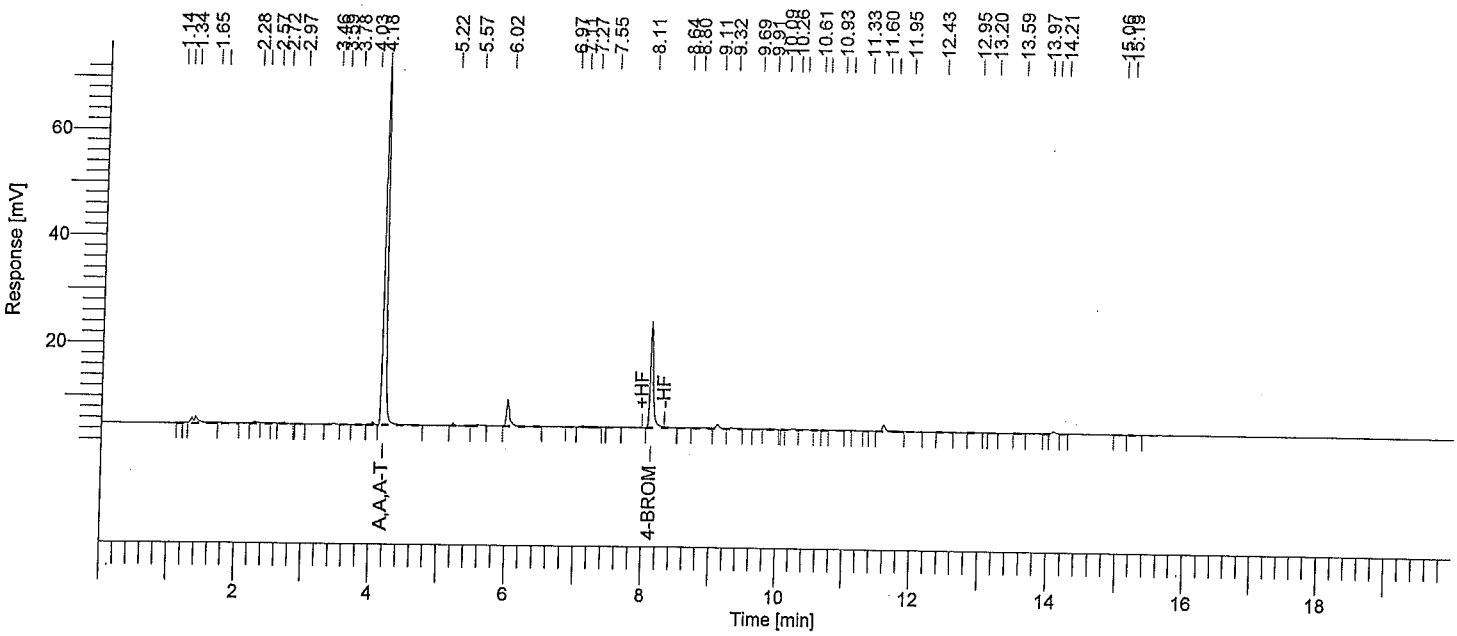
Gasoline Range Organics(GRO) - EPA Method 8015

Component Name	R.T. [min]	Area [µV·s]	Raw Amount	Adjusted Amount
a,a,a-Triflurotoluene - FID	4.15	208783	---------	----------
TPH-Gasoline	5.80	13063	3.0202	3.020
4-Bromoflurobenzene - FID	8.11	66279	26.7506	26.751

Report stored in ASCII file: c:\pe gc\data\clarus500\011414s\011414s_fid_data006.TX0

Software Version	: 6.3.1.0504	Date	: 1/16/2014 5:01:16 PM
Reprocess Number	: btex-gas: 44217		
Operator	: GeorgeB		
Sample Number	: 007	Sample Name	: 4A08030-03 FB-15@10
AutoSampler	: NONE	Study	:
Instrument Name	: PE_GC	Rack/Vial	: 0/0
Instrument Serial #	: 650N7100206	Channel	: A
Delay Time	: 0.00 min	A/D mV Range	: 1000
Sampling Rate	: 3.1250 pts/s	End Time	: 19.99 min
Sample Volume	: 1.000000 ul		
Sample Amount	: 1.0000		
Internal Standard Amount	: 1.0000	Area Reject	: 0.000000
Data Acquisition Time	: 1/14/2014 2:38:28 PM	Dilution Factor	: 1.00
		Cycle	: 7

Raw Data File : C:\PE GC\Data\Clarus500\011414s\011414s_fid_data007.raw
Result File : c:\pe gc\data\clarus500\011414s\011414s_fid_data007.rst
Inst Method : c:\pe gc\methods\pe_btex_soil from C:\PE GC\Data\Clarus500\011414s\011414s_fid_data007.raw
Proc Method : c:\pe gc\methods\pe_gas_soil.mth from c:\pe gc\data\clarus500\011414s\011414s_fid_data007.rst
Calib Method : c:\pe gc\methods\pe_gas_soil.mth from c:\pe gc\data\clarus500\011414s\011414s_fid_data007.rst
Report Format File: c:\pe gc\methods\gas.rpt
Sequence File : C:\PE GC\Sequences\Clarus500\011414sl.seq



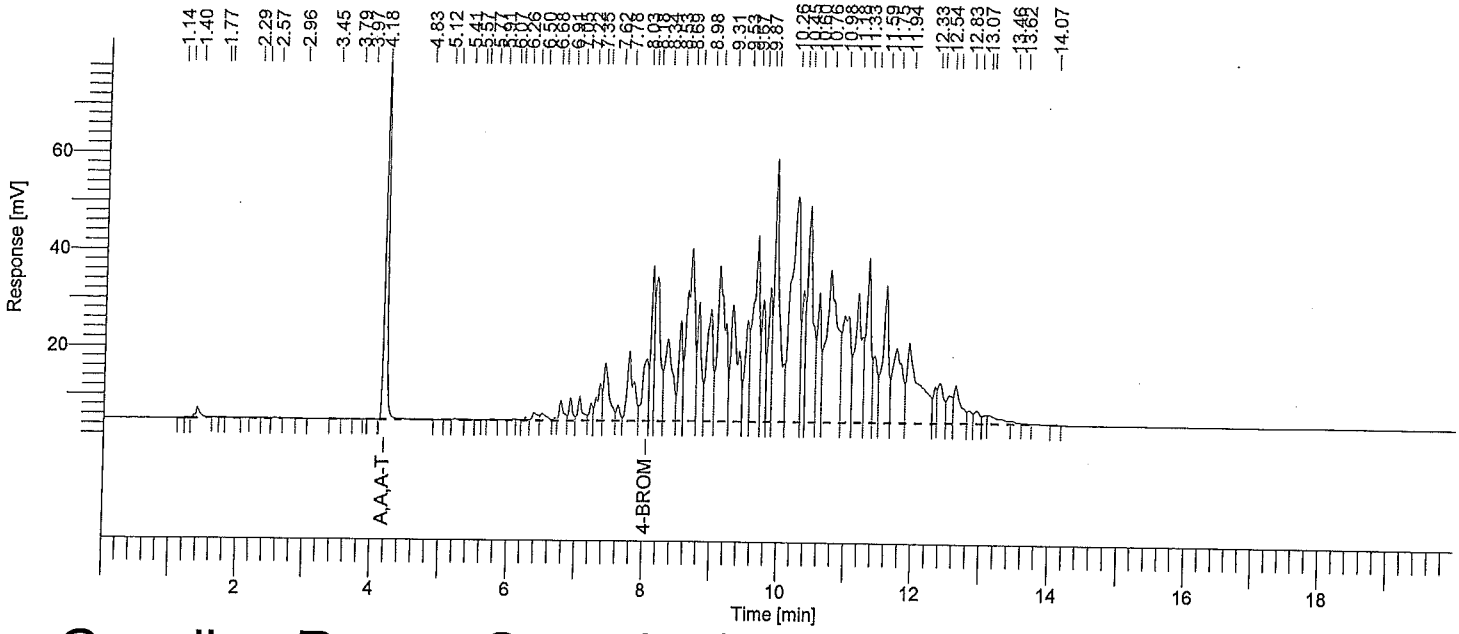
Gasoline Range Organics(GRO) - EPA Method 8015

Component Name	R.T. [min]	Area [µV·s]	Raw Amount	Adjusted Amount
a,a,a-Triflurotoluene - FID	4.18	205238	----------	----------
TPH-Gasoline	5.80	36267	8.5299	8.530
4-Bromoflurobenzene - FID	8.11	64009	26.2808	26.281

Report stored in ASCII file: c:\pe gc\data\clarus500\011414s\011414s_fid_data007.TX0

Software Version	: 6.3.1.0504	Date	: 1/17/2014 11:51:02 AM
Operator	: GeorgeB	Sample Name	: 4A08030-06 FB-15@15
Sample Number	: 034	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: PE_GC	Channel	: A
Instrument Serial #	: 650N7100206	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 19.99 min
Sampling Rate	: 3.1250 pts/s		
Sample Volume	: 1.000000 ul		
Sample Amount	: 1.0000	Area Reject	: 0.000000
Internal Standard Amount	: 1.0000	Dilution Factor	: 5000.00
Data Acquisition Time	: 1/15/2014 5:37:41 PM		
		Cycle	: 34

Raw Data File : C:\PE GC\Data\Clarus500\011414s\011414s_fid_data034.raw
Result File : C:\PE GC\Data\Clarus500\011414s\011414s_fid_data034.rst
Inst Method : c:\pe gc\methods\pe_btex_soil from C:\PE GC\Data\Clarus500\011414s\011414s_fid_data034.raw
Proc Method : c:\pe gc\methods\pe_gas_soil.mth from C:\PE GC\Data\Clarus500\011414s\011414s_fid_data034.rst
Calib Method : c:\pe gc\methods\pe_gas_soil.mth from C:\PE GC\Data\Clarus500\011414s\011414s_fid_data034.rst
Report Format File: c:\pe gc\methods\gas.rpt
Sequence File : C:\PE GC\Sequences\Clarus500\011414sl.seq



Gasoline Range Organics(GRO) - EPA Method 8015

Component Name	R.T. [min]	Area [µV·s]	Raw Amount	Adjusted Amount
a,a,a-Triflurotoluene - FID	4.18	224071	----------	----------
TPH-Gasoline	5.80	1788421	385.2808	1926403.974
4-Bromoflurobenzene - FID	8.03	79103	29.7484	148742.050

CB
DB 1/17/14

Report stored in ASCII file: C:\PE GC\Data\Clarus500\011414s\011414s_fid_data034.TX0

Software Version	: 6.3.1.0504	Date	: 1/16/2014 5:01:21 PM
Reprocess Number	: btex-gas: 44219		
Operator	: GeorgeB		
Sample Number	: 008	Sample Name	: 4A08030-13 FB-19@15
AutoSampler	: NONE	Study	:
Instrument Name	: PE_GC	Rack/Vial	: 0/0
Instrument Serial #	: 650N7100206	Channel	: A
Delay Time	: 0.00 min	A/D mV Range	: 1000
Sampling Rate	: 3.1250 pts/s	End Time	: 19.99 min
Sample Volume	: 1.000000 ul		
Sample Amount	: 1.0000	Area Reject	: 0.000000
Internal Standard Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 1/14/2014 3:04:59 PM		
		Cycle	: 8

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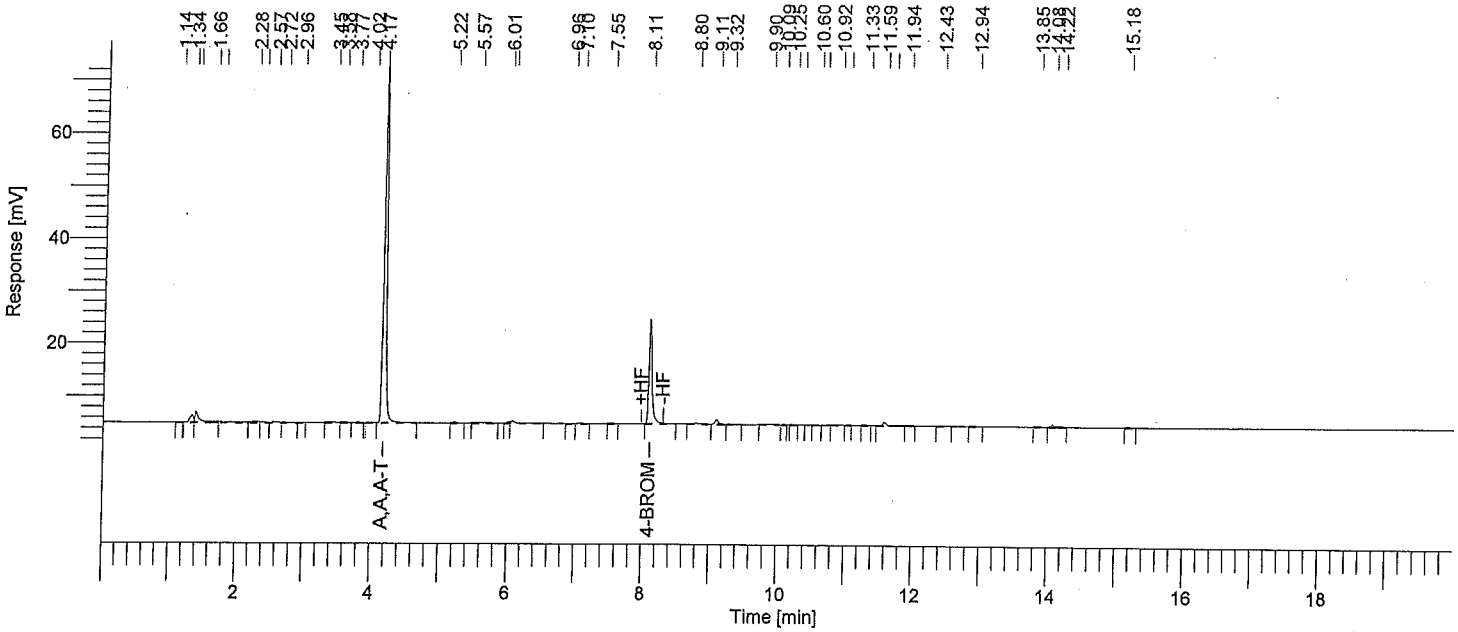
Calib Method : c:\pe gc\methods\pe_gas_soil.mth from c:\pe gc\data\clarus500\011414s\011414s_fid_data008.rst
Report Format File: c:\pe gc\methods\gas.rpt
Sequence File : C:\PE GC\Sequences\Clarus500\011414sl.seq



Gasoline Range Organics(GRO) - EPA Method 8015

Component Name	R.T. [min]	Area [µV·s]	Raw Amount	Adjusted Amount
a,a,a-Triflurotoluene - FID	4.17	204476	----------	----------
TPH-Gasoline	5.80	18245	4.3071	4.307
4-Bromoflurobenzene - FID	8.11	64617	26.6291	26.629

Report stored in ASCII file: c:\pe gc\data\clarus500\011414s\011414s_fid_data008.TX0

Software Version	: 6.3.1.0504	Date	: 1/16/2014 5:01:27 PM
Reprocess Number	: btex-gas: 44221		
Operator	: GeorgeB		
Sample Number	: 009	Sample Name	: 4A08030-19 FB-20@10
AutoSampler	: NONE	Study	:
Instrument Name	: PE_GC	Rack/Vial	: 0/0
Instrument Serial #	: 650N7100206	Channel	: A
Delay Time	: 0.00 min	A/D mV Range	: 1000
Sampling Rate	: 3.1250 pts/s	End Time	: 19.99 min
Sample Volume	: 1.000000 ul		
Sample Amount	: 1.0000	Area Reject	: 0.000000
Internal Standard Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 1/14/2014 3:31:31 PM		
		Cycle	: 9

Raw Data File : C:\PE GC\Data\Clarus500\011414s\011414s_fid_data009.raw
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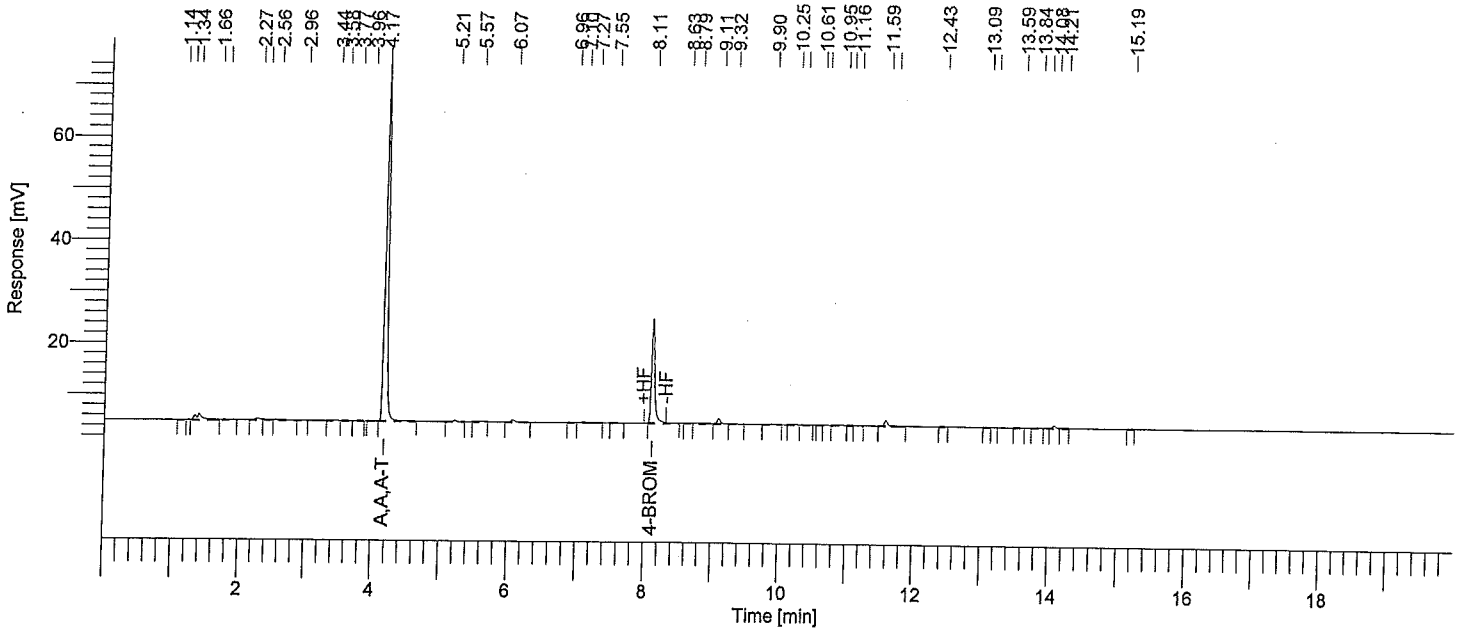
Calib Method : c:\pe gc\methods\pe_gas_soil.mth from c:\pe gc\data\clarus500\011414s\011414s_fid_data009.rst
Report Format File: c:\pe gc\methods\gas.rpt
Sequence File : C:\PE GC\Sequences\Clarus500\011414sl.seq



Gasoline Range Organics(GRO) - EPA Method 8015

Component Name	R.T. [min]	Area [µV·s]	Raw Amount	Adjusted Amount
a,a,a-Triflurotoluene - FID	4.17	211590	----------	----------
TPH-Gasoline	5.80	17712	4.0409	4.041
4-Bromoflurobenzene - FID	8.11	65956	26.2675	26.267

Report stored in ASCII file: c:\pe gc\data\clarus500\011414s\011414s_fid_data009.TX0

Software Version	: 6.3.1.0504	Date	: 1/16/2014 5:01:31 PM
Reprocess Number	: btex-gas: 44223		
Operator	: GeorgeB		
Sample Number	: 010	Sample Name	: 4A08030-22 FB-20@20
AutoSampler	: NONE	Study	:
Instrument Name	: PE_GC	Rack/Vial	: 0/0
Instrument Serial #	: 650N7100206	Channel	: A
Delay Time	: 0.00 min	A/D mV Range	: 1000
Sampling Rate	: 3.1250 pts/s	End Time	: 19.99 min
Sample Volume	: 1.000000 ul		
Sample Amount	: 1.0000		
Internal Standard Amount	: 1.0000	Area Reject	: 0.000000
Data Acquisition Time	: 1/14/2014 3:58:06 PM	Dilution Factor	: 1.00
		Cycle	: 10

Raw Data File : C:\PE GC\Data\Clarus500\011414s\011414s_fid_data010.raw
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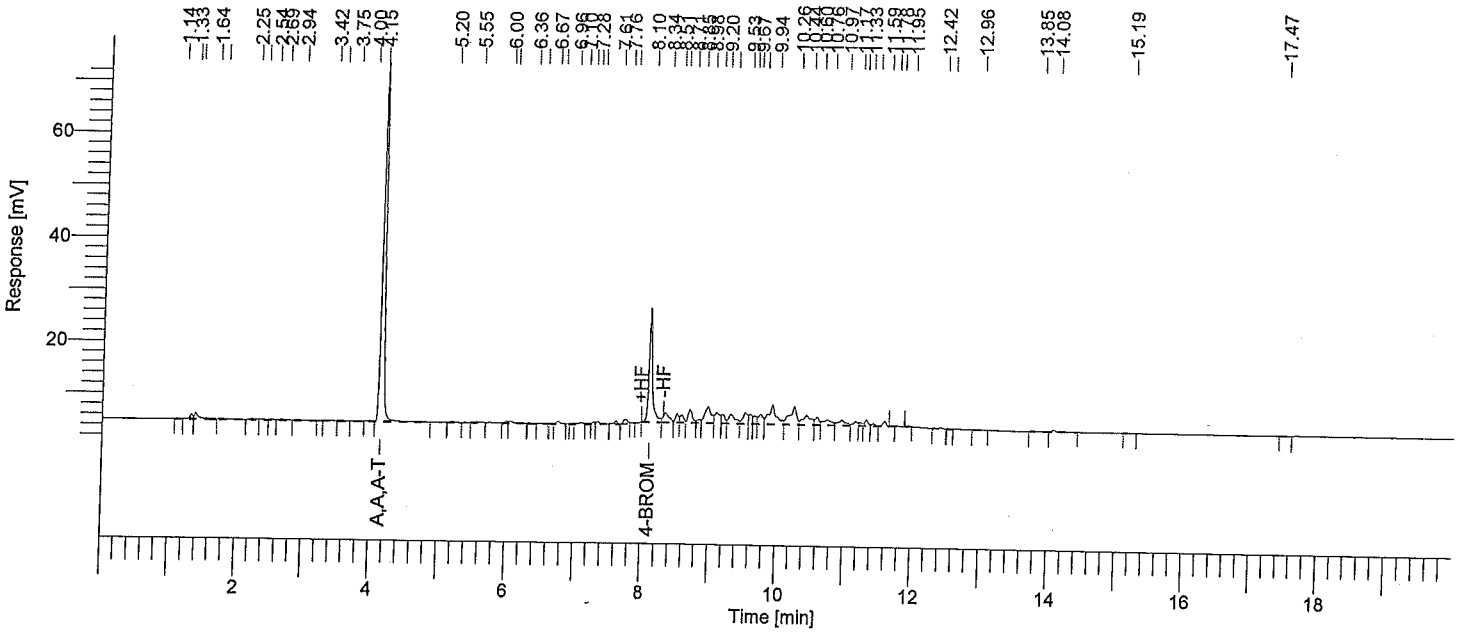
Calib Method : c:\pe gc\methods\pe_gas_soil.mth from c:\pe gc\data\clarus500\011414s\011414s_fid_data010.rst
Report Format File: c:\pe gc\methods\gas.rpt
Sequence File : C:\PE GC\Sequences\Clarus500\011414sl.seq



Gasoline Range Organics(GRO) - EPA Method 8015

Component Name	R.T. [min]	Area [µV·s]	Raw Amount	Adjusted Amount
a,a,a-Triflurotoluene - FID	4.15	213181	----------	----------
TPH-Gasoline	5.80	114283	25.8778	25.878
4-Bromoflurobenzene - FID	8.10	78076	30.8622	30.862

Report stored in ASCII file: c:\pe gc\data\clarus500\011414s\011414s_fid_data010.TX0

Software Version	: 6.3.1.0504	Date	: 1/16/2014 5:01:36 PM
Reprocess Number	: btex-gas: 44225		
Operator	: GeorgeB		
Sample Number	: 011	Sample Name	: 4A08030-27 FB - 21 @ 10
AutoSampler	: NONE	Study	:
Instrument Name	: PE_GC	Rack/Vial	: 0/0
Instrument Serial #	: 650N7100206	Channel	: A
Delay Time	: 0.00 min	A/D mV Range	: 1000
Sampling Rate	: 3.1250 pts/s	End Time	: 19.99 min
Sample Volume	: 1.000000 ul		
Sample Amount	: 1.0000	Area Reject	: 0.000000
Internal Standard Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 1/14/2014 4:24:46 PM		
		Cycle	: 11

Raw Data File : C:\PE GC\Data\Clarus500\011414s\011414s_fid_data011.raw
Result File : c:\pe gc\data\clarus500\011414s\011414s_fid_data011.rst
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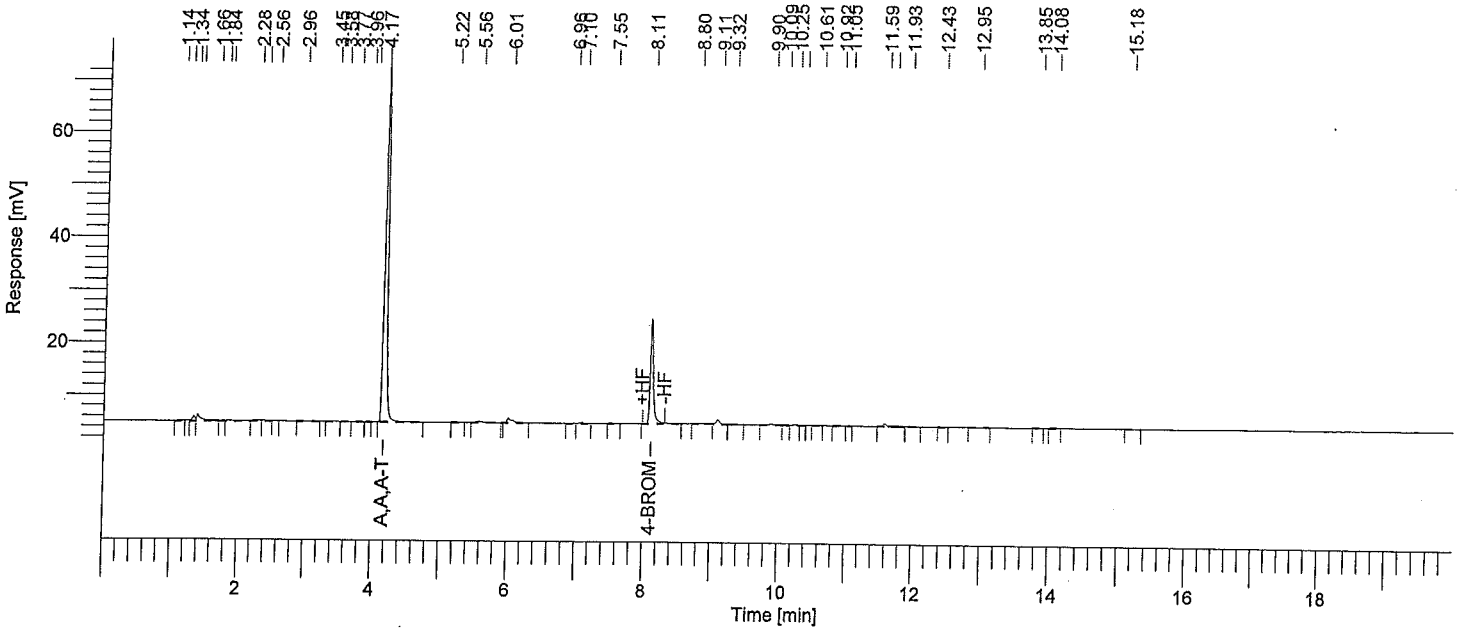
Calib Method : c:\pe gc\methods\pe_gas_soil.mth from c:\pe gc\data\clarus500\011414s\011414s_fid_data011.rst
Report Format File: c:\pe gc\methods\gas.rpt
Sequence File : C:\PE GC\Sequences\Clarus500\011414sl.seq



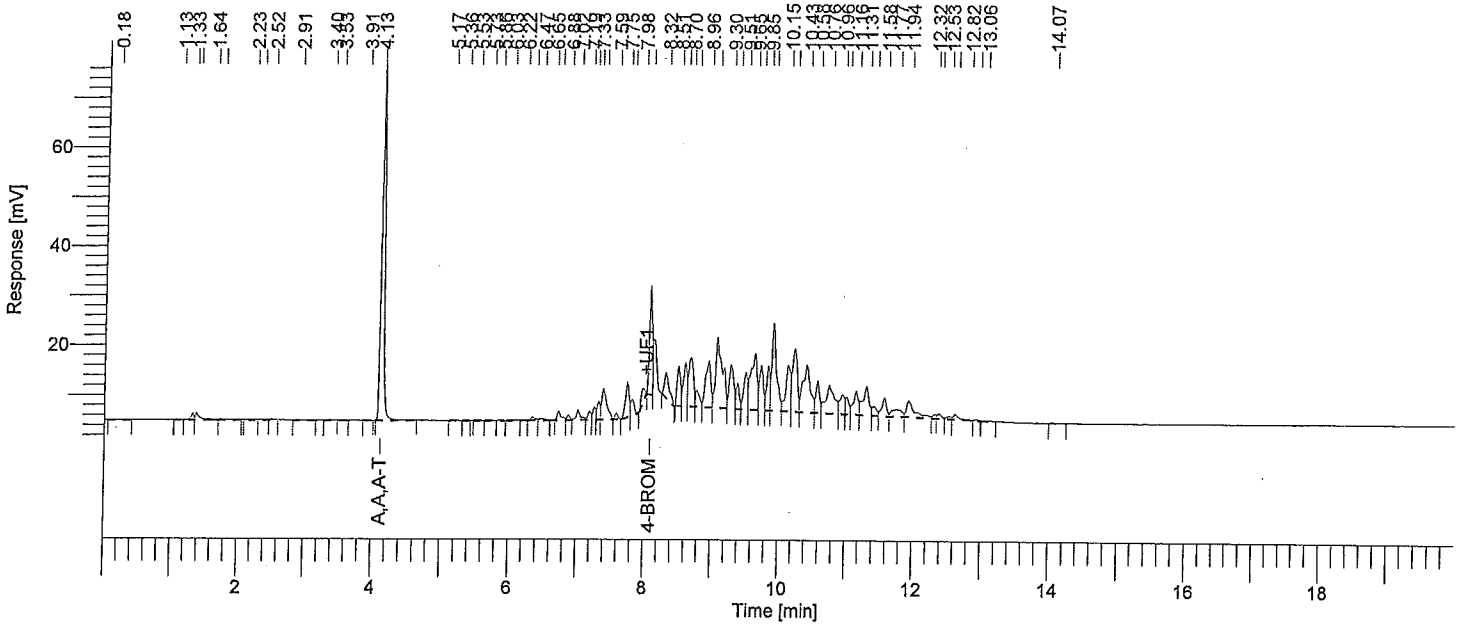
Gasoline Range Organics(GRO) - EPA Method 8015

Component Name	R.T. [min]	Area [µV·s]	Raw Amount	Adjusted Amount
a,a,a-Triflurotoluene - FID	4.17	208609	----------	----------
TPH-Gasoline	5.80	18936	4.3818	4.382
4-Bromoflurobenzene - FID	8.11	66141	26.7174	26.717

Report stored in ASCII file: c:\pe gc\data\clarus500\011414s\011414s_fid_data011.TX0

Software Version	: 6.3.1.0504	Date	: 1/17/2014 12:01:35 PM
Operator	: GeorgeB	Sample Name	: 4A08030-28 FB-21@15
Sample Number	: 035	Study	:
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: PE_GC	Channel	: A
Instrument Serial #	: 650N7100206	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 19.99 min
Sampling Rate	: 3.1250 pts/s		
Sample Volume	: 1.000000 ul		
Sample Amount	: 1.0000	Area Reject	: 0.000000
Internal Standard Amount	: 1.0000	Dilution Factor	: 5000.00
Data Acquisition Time	: 1/15/2014 6:04:10 PM		
		Cycle	: 35

Raw Data File : C:\PE GC\Data\Clarus500\011414s\011414s_fid_data035.raw
Result File : C:\PE GC\Data\Clarus500\011414s\011414s_fid_data035.rst
Inst Method : c:\pe gc\methods\pe_btex_soil from C:\PE GC\Data\Clarus500\011414s\011414s_fid_data035.raw
Proc Method : c:\pe gc\methods\pe_gas_soil.mth from C:\PE GC\Data\Clarus500\011414s\011414s_fid_data035.rst
Calib Method : c:\pe gc\methods\pe_gas_soil.mth from C:\PE GC\Data\Clarus500\011414s\011414s_fid_data035.rst
Report Format File: c:\pe gc\methods\gas.rpt
Sequence File : C:\PE GC\Sequences\Clarus500\011414sl.seq



Gasoline Range Organics(GRO) - EPA Method 8015

Component Name	R.T. [min]	Area [µV·s]	Raw Amount	Adjusted Amount
a,a,a-Triflurotoluene - FID	4.13	221785	----------	----------
TPH-Gasoline	5.80	502480	109.3654	546826.840
4-Bromoflurobenzene - FID	8.09	66412	25.2332	126166.031

CB
DTH 1/17/14

Report stored in ASCII file: C:\PE GC\Data\Clarus500\011414s\011414s_fid_data035.TX0

Software Version	: 6.3.1.0504	Date	: 1/16/2014 5:01:41 PM
Reprocess Number	: btex-gas: 44227		
Operator	: GeorgeB		
Sample Number	: 012	Sample Name	: 4A08030-30 FB-21 @20
AutoSampler	: NONE	Study	:
Instrument Name	: PE_GC	Rack/Vial	: 0/0
Instrument Serial #	: 650N7100206	Channel	: A
Delay Time	: 0.00 min	A/D mV Range	: 1000
Sampling Rate	: 3.1250 pts/s	End Time	: 19.99 min
Sample Volume	: 1.000000 ul		
Sample Amount	: 1.0000	Area Reject	: 0.000000
Internal Standard Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 1/14/2014 4:51:21 PM		
		Cycle	: 12

Raw Data File : C:\PE GC\Data\Clarus500\011414s\011414s_fid_data012.raw
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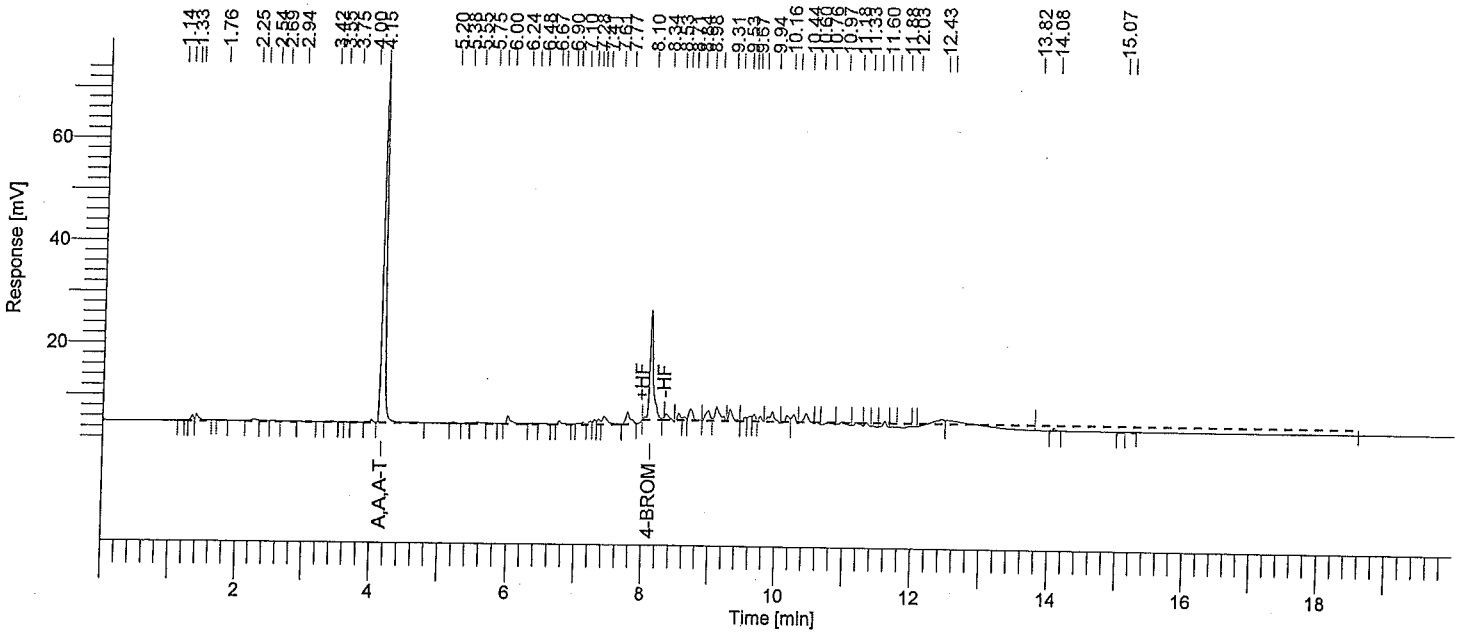
Proc Method : c:\pe gc\methods\pe_gas_soil.mth from c:\pe gc\data\clarus500\011414s\011414s_fid_data012.rst
Calib Method : c:\pe gc\methods\pe_gas_soil.mth from c:\pe gc\data\clarus500\011414s\011414s_fid_data012.rst
Report Format File: c:\pe gc\methods\gas.rpt
Sequence File : C:\PE GC\Sequences\Clarus500\011414sl.seq



Gasoline Range Organics(GRO) - EPA Method 8015

Component Name	R.T. [min]	Area [µV·s]	Raw Amount	Adjusted Amount
a,a,a-Triflurotoluene - FID	4.15	214156	----------	----------
TPH-Gasoline	5.80	108290	24.4092	24.409
4-Bromoflurobenzene - FID	8.10	77676	30.5640	30.564

Report stored in ASCII file: c:\pe gc\data\clarus500\011414s\011414s_fid_data012.TX0

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate # 2480

2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
Fax: (209) 384-1507

Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A08030 Lab Reference Number: 1401032 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8015B Lab Numbers: 1401032-01, 02, 03, 04, 06	Sampled: 01-06-14 Received: 01-10-14 Extracted: 01-20-14 Analyzed: 01-20-14 Reported: 01-27-14

TOTAL PETROLEUM HYDROCARBONS - GASOLINE

ANALYTE	REPORTING LIMIT (mg/kg)	SAMPLE ID FB-15@10 (4A08030-03) (mg/kg)	SAMPLE ID FB-15@15 (4A08030-06) (mg/kg)	SAMPLE ID FB-15@17.5 (4A08030-07) (mg/kg)	SAMPLE ID FB-15@20 (4A08030-04) (mg/kg)	SAMPLE ID FB-19@15 (4A08030-13) (mg/kg)
GASOLINE RANGE HYDROCARBONS C6-C10	1.0	ND	220	280	16	ND
Report Limit Multiplication Factor:		1	50	50	5	1
			non-gasoline pattern heavier hydrocarbons	non-gasoline pattern heavier hydrocarbons	non-gasoline pattern heavier hydrocarbons	

Surrogate % Recovery:	FID: 67.7%	NA	NA	NA	FID: 77.7%
Instrument ID:	HP-GC1	HP-GC1	HP-GC1	HP-GC1	HP-GC1

Analytes reported as ND were not detected or below the Practical Quantitation Limit
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate # 2480

2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
Fax: (209) 384-1507

Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A08030 Lab Reference Number: 1401032 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8015B Lab Numbers: 1401032-07, 08, 10, 11, 12	Sampled: 01-06-14 Received: 01-10-14 Extracted: 01-20-14 Analyzed: 01-20-14 Reported: 01-27-14

TOTAL PETROLEUM HYDROCARBONS - GASOLINE

ANALYTE	REPORTING LIMIT (mg/kg)	SAMPLE ID FB-19@17.5 (4A08030-14) (mg/kg)	SAMPLE ID FB-19@20 (4A08030-15) (mg/kg)	SAMPLE ID FB-20@10 (4A08030-19) (mg/kg)	SAMPLE ID FB-20@15 (4A08030-20) (mg/kg)	SAMPLE ID FB-20@20 (4A08030-22) (mg/kg)
GASOLINE RANGE HYDROCARBONS C6-C10	1.0	72	10	ND	58	ND
Report Limit Multiplication Factor:		5	1	1	20	1
		non-gasoline pattern heavier hydrocarbons	non-gasoline pattern heavier hydrocarbons		non-gasoline pattern heavier hydrocarbons	

Surrogate % Recovery:	NA	FID: 239%	FID: 66.7%	NA	FID: 71.0%
Instrument ID:	HP-GC1	HP-GC1	HP-GC1	HP-GC1	HP-GC1

Analytes reported as ND were not detected or below the Practical Quantitation Limit
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate # 2480

2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
Fax: (209) 384-1507

Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A08030 Lab Reference Number: 1401032 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8015B Lab Numbers: 1401032-13, 14, 15	Sampled: 01-06-14 Received: 01-10-14 Extracted: 01-20-14 Analyzed: 01-20-14 Reported: 01-27-14

TOTAL PETROLEUM HYDROCARBONS - GASOLINE

ANALYTE	REPORTING LIMIT (mg/kg)	SAMPLE ID FB-21@10 (4A08030-27) (mg/kg)	SAMPLE ID FB-21@15 (4A08030-28) (mg/kg)	SAMPLE ID FB-21@20 (4A08030-30) (mg/kg)
GASOLINE RANGE HYDROCARBONS C6-C10	1.0	ND	300	ND
Report Limit Multiplication Factor:		1	50	1
			non-gasoline pattern heavier hydrocarbons	

Surrogate % Recovery:	FID: 71.0%	NA	FID: 65.8%
Instrument ID:	HP-GC1	HP-GC1	HP-GC1

Analytes reported as ND were not detected or below the Practical Quantitation Limit
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate #2480

2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
Fax: (209) 384-1507

Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A08030 Lab Reference Number: 1401032 Sample Description: Soil Analyst: Clari Cone	Method: EPA 5030/8015M,8020 Instrument ID: HP-GC1 Extracted: 01-20-14 Analyzed: 01-20-14 Reported: 01-27-14

QUALITY CONTROL DATA REPORT

ANALYTE	Gasoline

Spike Concentration:	3.87
Units:	mg/kg
LCS Batch #:	VS-1204
LCS % Recovery:	107%
Surrogate Recovery:	102%
Control Limits:	70-130 %

MS/MSD Batch #:	VS-1204
MS % Recovery:	62.2%
Surrogate Recovery:	73.0%
MSD % Recovery:	62.8%
Surrogate Recovery:	72.6%
Relative % Difference:	0.96%
Methanol Blank :	ND
Surrogate Recovery:	99.2%

Please Note:
The LCS (Laboratory Check Sample) is a control sample of known, interferent free matrix that is fortified with representative analytes and analyzed using the same reagents, preparation and analytical methods employed for the samples. The LCS % recovery is used for validation of sample batch results. Due to matrix effects, the QC limits and recoveries for MS/MSD's are advisory only and are not used to accept or reject batch results.

APPROVED BY: Clari Cone

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

Chromatogram

Sample Name : 200 ppm Stoddard Solvent Sample #: 37

FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\011414A037.raw

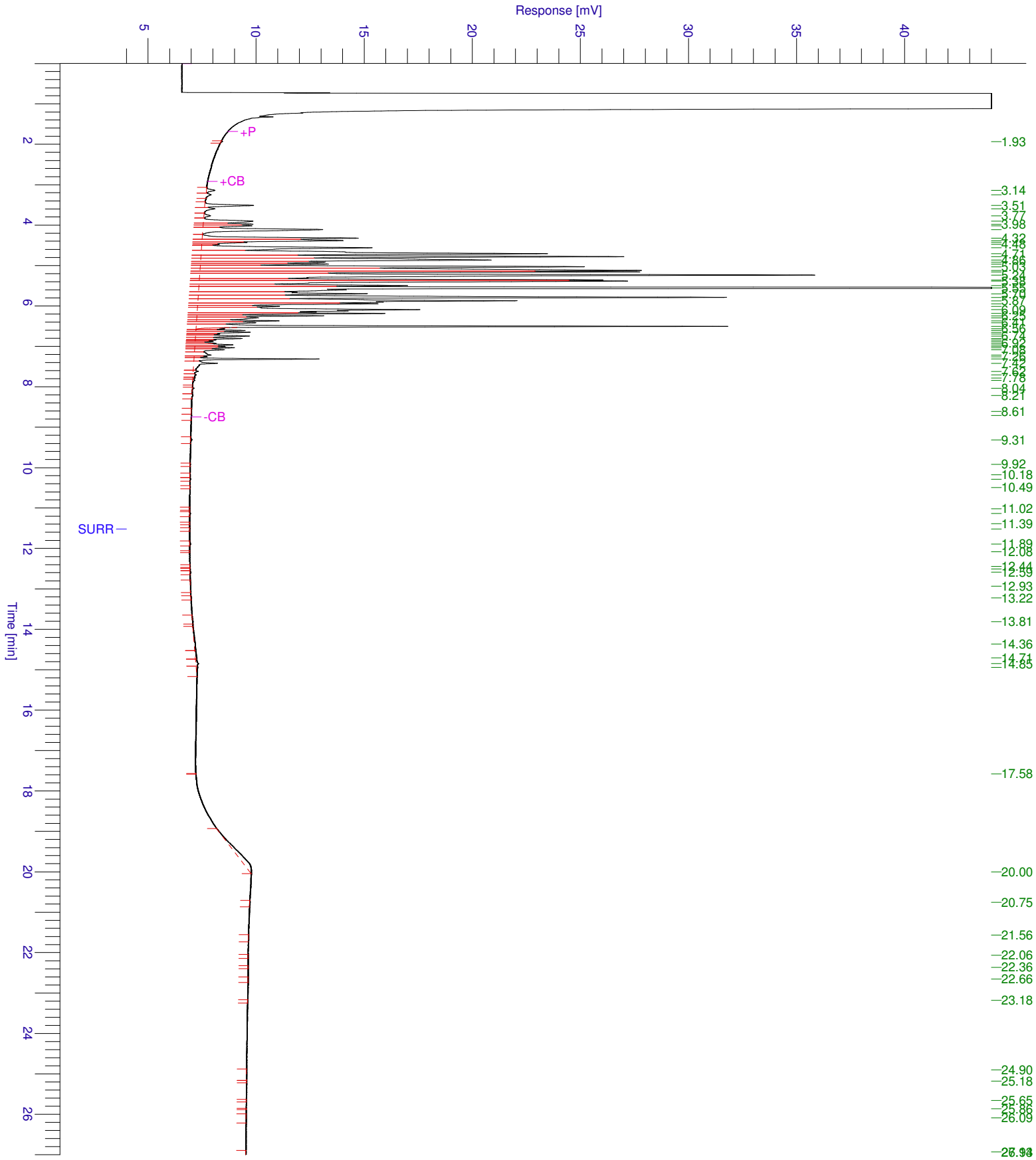
Date : 1/21/2014 2:53:35 PM

Method : 010714tphd.mth Time of Injection: 1/16/2014 4:09:21 AM

Start Time : 0.00 min End Time : 27.00 min Low Point : 4.00 mV High Point : 44.00 mV

Plot Offset: 4.00 mV Plot Scale: 40.0 mV

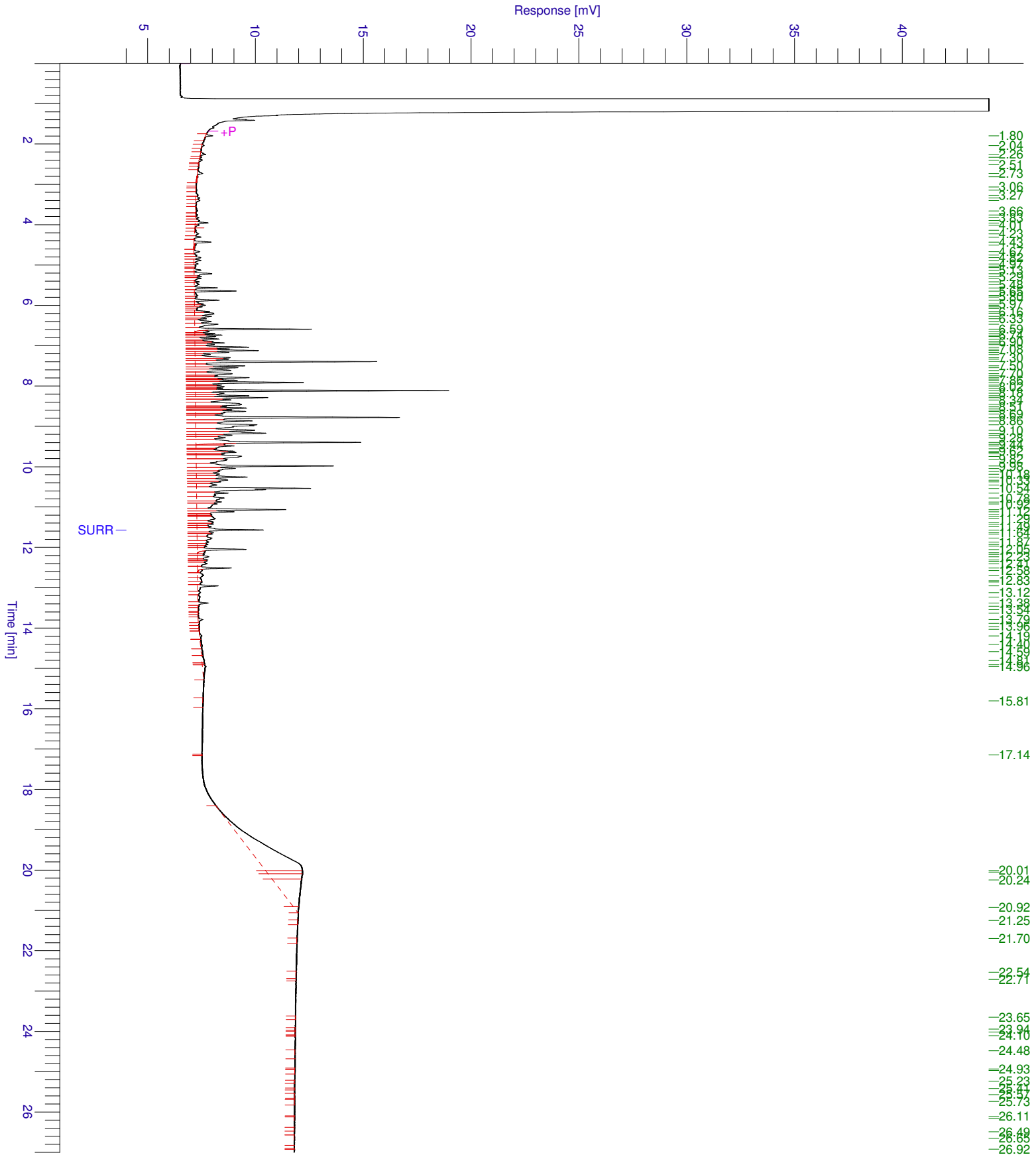
20 ppm Stoddard Solvent Standard (Soil Concentration)



Chromatogram

Sample Name : 100 ppm Diesel Std Sample #: 26 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\011414A026.raw
Date : 1/21/2014 2:47:19 PM
Method : 010714tphd.mth Time of Injection: 1/15/2014 6:59:39 PM
Start Time : 0.00 min End Time : 27.00 min Low Point : 4.00 mV High Point : 44.00 mV
Plot Offset: 4.00 mV Plot Scale: 40.0 mV

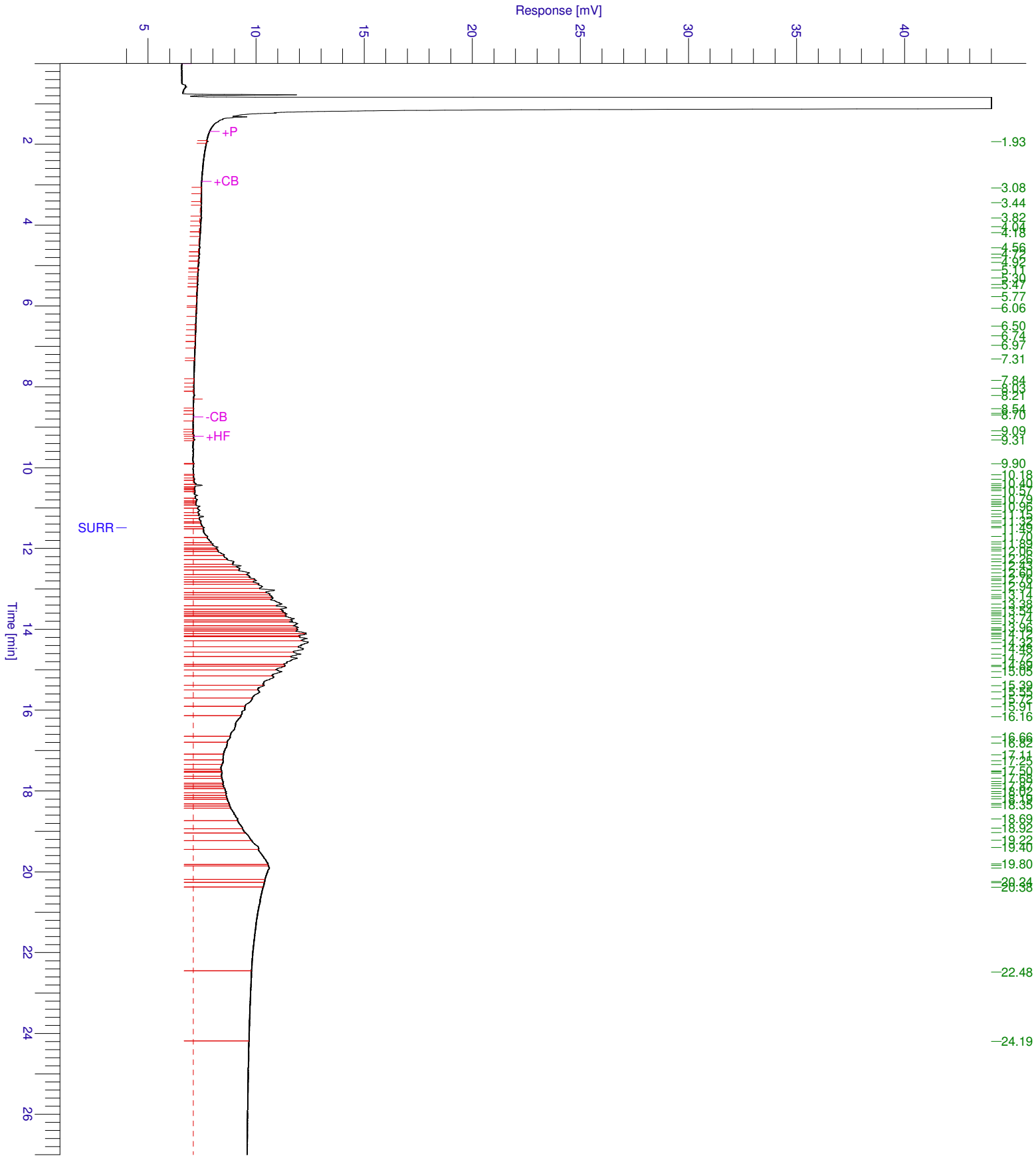
10 ppm Diesel Standard (Soil Concentration)



Chromatogram

Sample Name : 200 ppm Motor Oil Sample #: 38 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\011414A038.raw
Date : 1/21/2014 2:54:37 PM
Method : 010714tphd.mth Time of Injection: 1/16/2014 4:58:34 AM
Start Time : 0.00 min End Time : 27.00 min Low Point : 4.00 mV High Point : 44.00 mV
Plot Offset: 4.00 mV Plot Scale: 40.0 mV

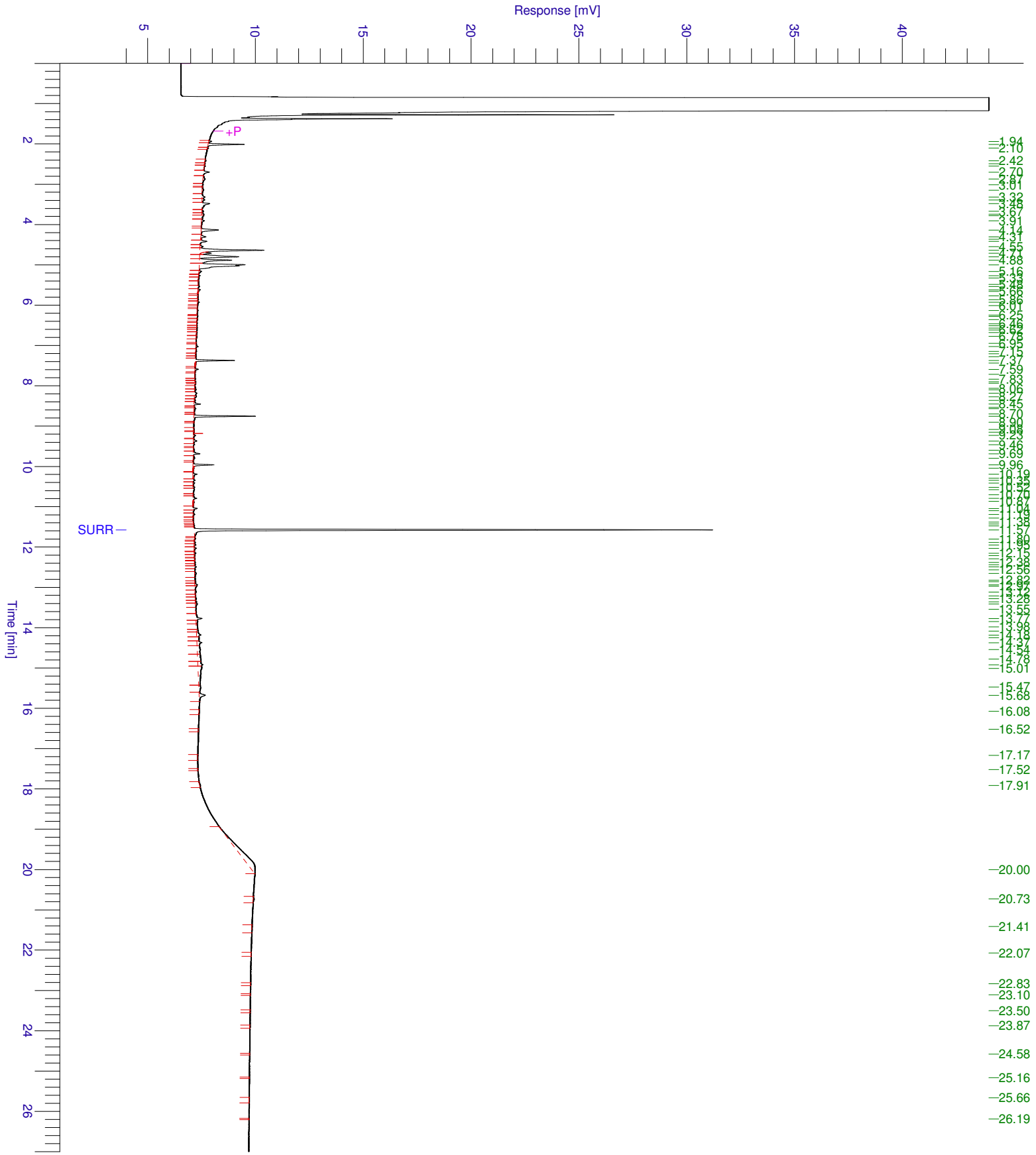
20 ppm Motor Oil Standard (Soil Concentration)



Chromatogram

Sample Name : TPHDS-C-1164 Sample #: 51 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\011414A051.raw
Date : 1/21/2014 2:55:57 PM
Method : 010714tphd.mth Time of Injection: 1/16/2014 3:44:57 PM
Start Time : 0.00 min End Time : 27.00 min Low Point : 4.00 mV High Point : 44.00 mV
Plot Offset: 4.00 mV Plot Scale: 40.0 mV

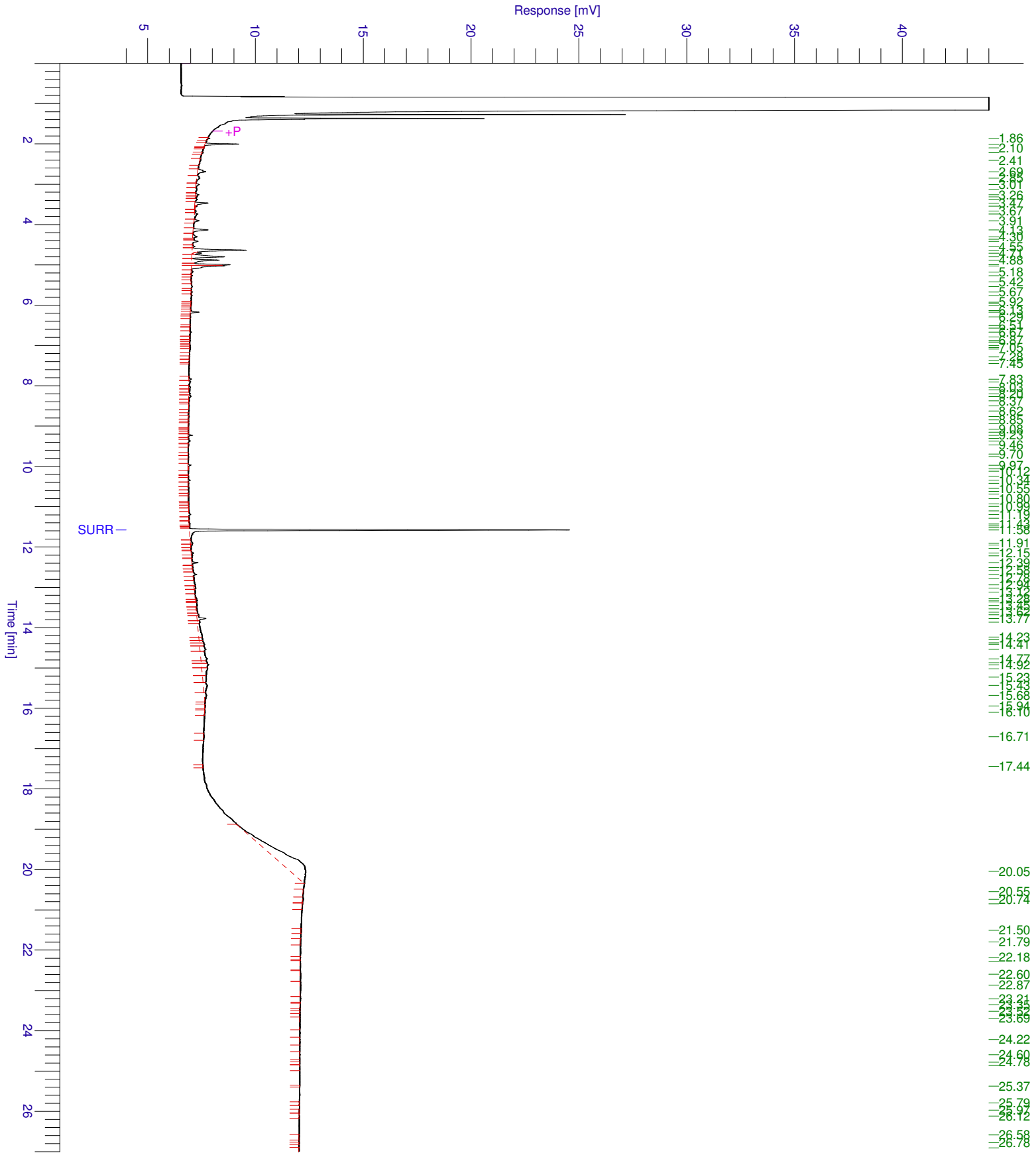
Method Blank



Chromatogram

Sample Name : 1401032-01S Sample #: 19 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\011414A019.raw
Date : 1/21/2014 2:39:27 PM
Method : 010714tphd.mth Time of Injection: 1/15/2014 1:07:41 PM
Start Time : 0.00 min End Time : 27.00 min Low Point : 4.00 mV High Point : 44.00 mV
Plot Offset: 4.00 mV Plot Scale: 40.0 mV

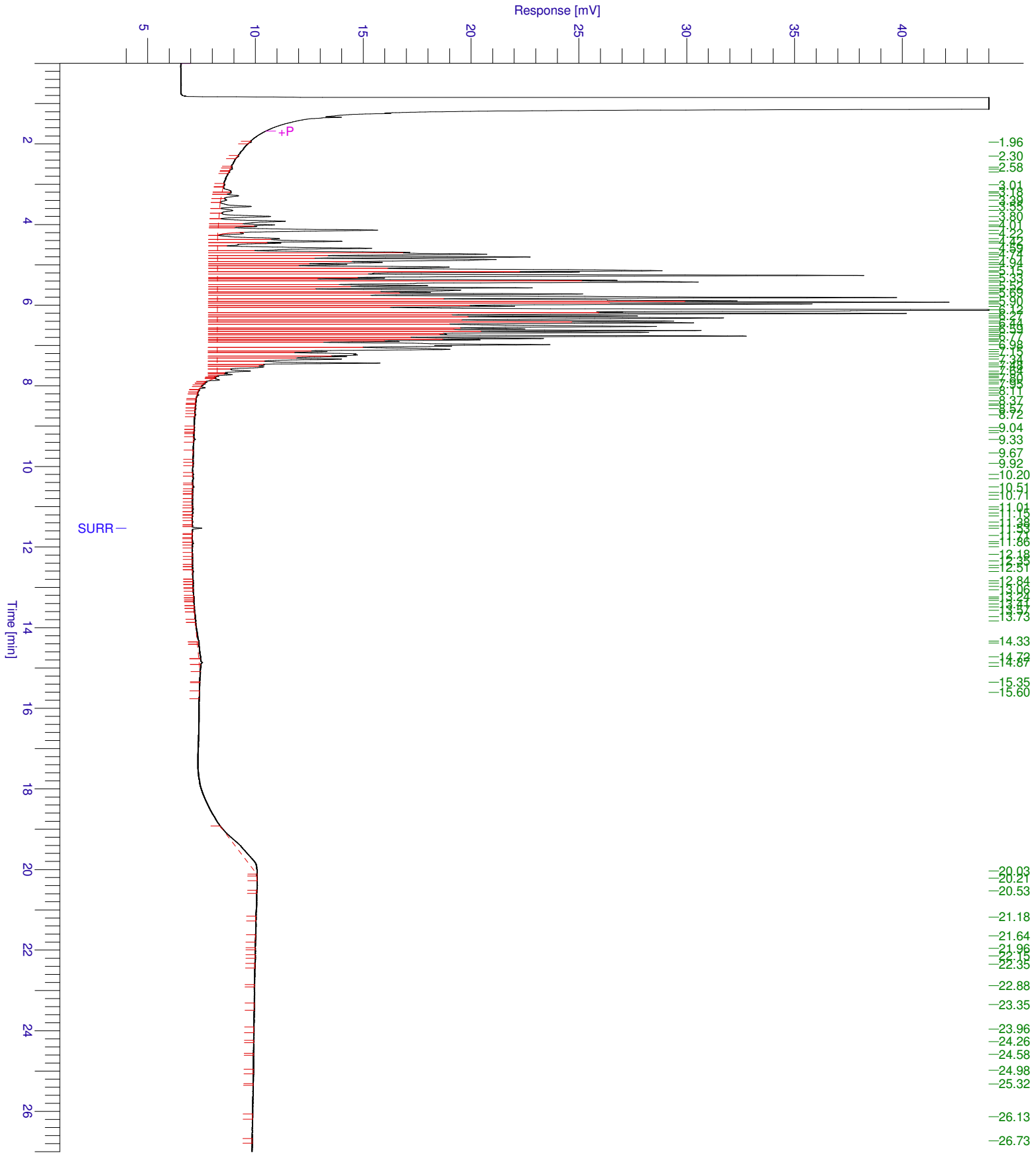
FB-15@10



Chromatogram

Sample Name : 1401032-02S DF 50 Sample #: 33
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\011414A033.raw
Date : 1/21/2014 2:41:48 PM
Method : 010714tphd.mth Time of Injection: 1/16/2014 12:51:30 AM
Start Time : 0.00 min End Time : 27.00 min Low Point : 4.00 mV High Point : 44.00 mV
Plot Offset: 4.00 mV Plot Scale: 40.0 mV

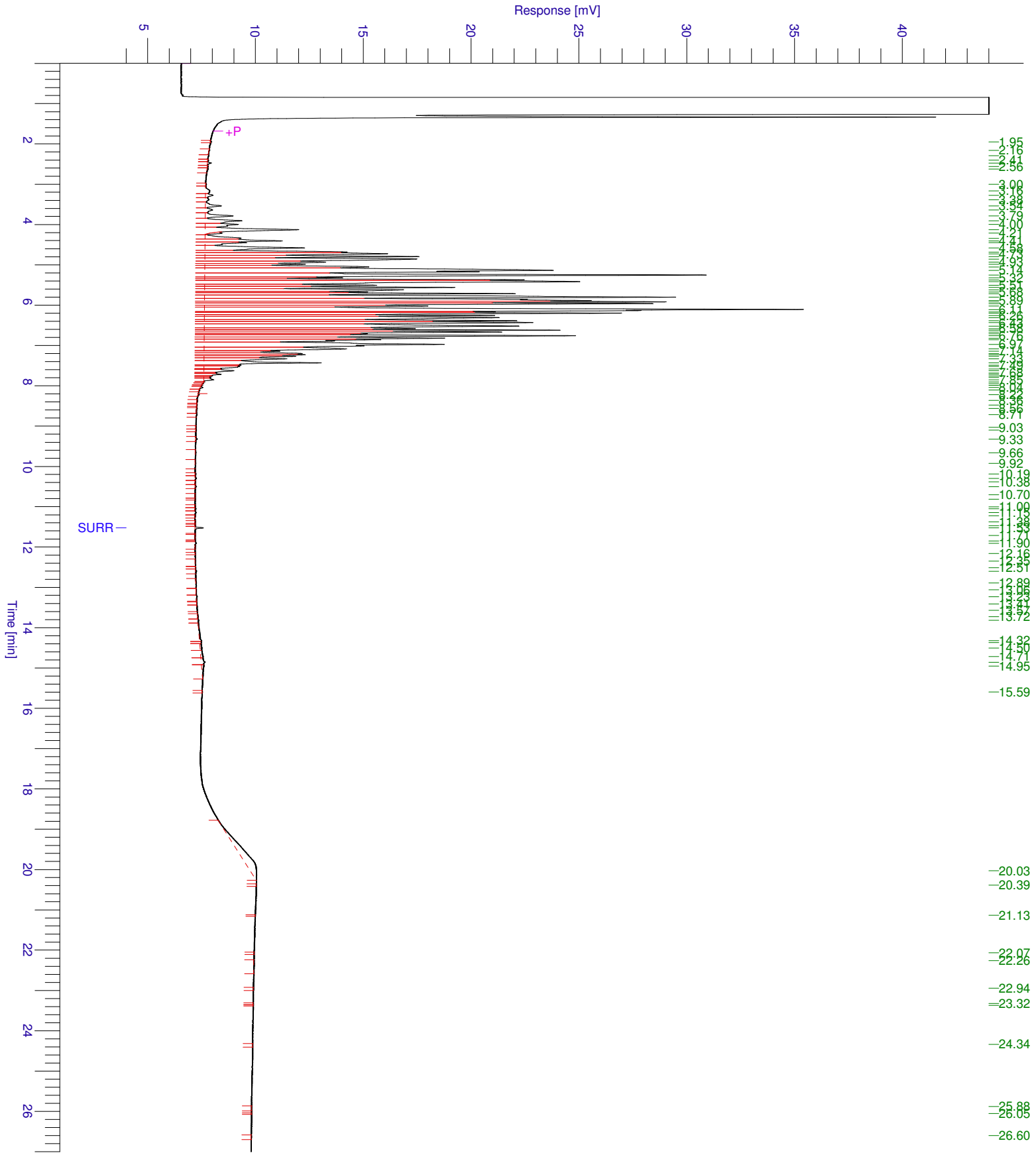
FB-15@15 (DF50)



Chromatogram

Sample Name : 1401032-03S DF 50 Sample #: 34
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\011414A034.raw
Date : 1/21/2014 2:42:31 PM
Method : 010714tphd.mth Time of Injection: 1/16/2014 1:41:05 AM
Start Time : 0.00 min End Time : 27.00 min Low Point : 4.00 mV High Point : 44.00 mV
Plot Offset: 4.00 mV Plot Scale: 40.0 mV

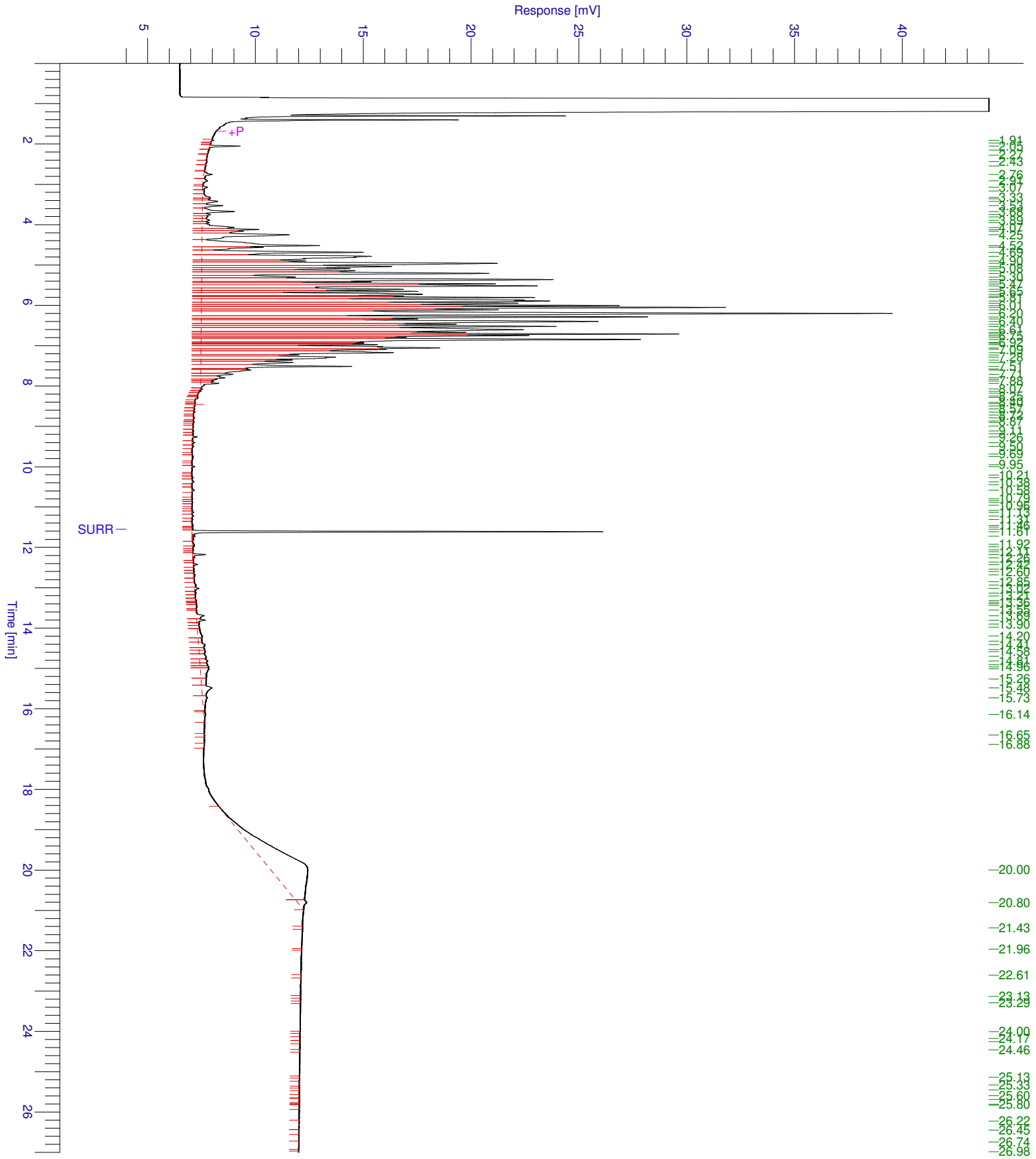
FB-15@17.5 (DF50)



Chromatogram

Sample Name : 1401032-04S Sample #: 22 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\011414A022.raw
Date : 1/21/2014 2:43:30 PM
Method : 010714tphd.mth Time of Injection: 1/15/2014 3:38:41 PM
Start Time : 0.00 min End Time : 27.00 min Low Point : 4.00 mV High Point : 44.00 mV
Plot Offset: 4.00 mV Plot Scale: 40.0 mV

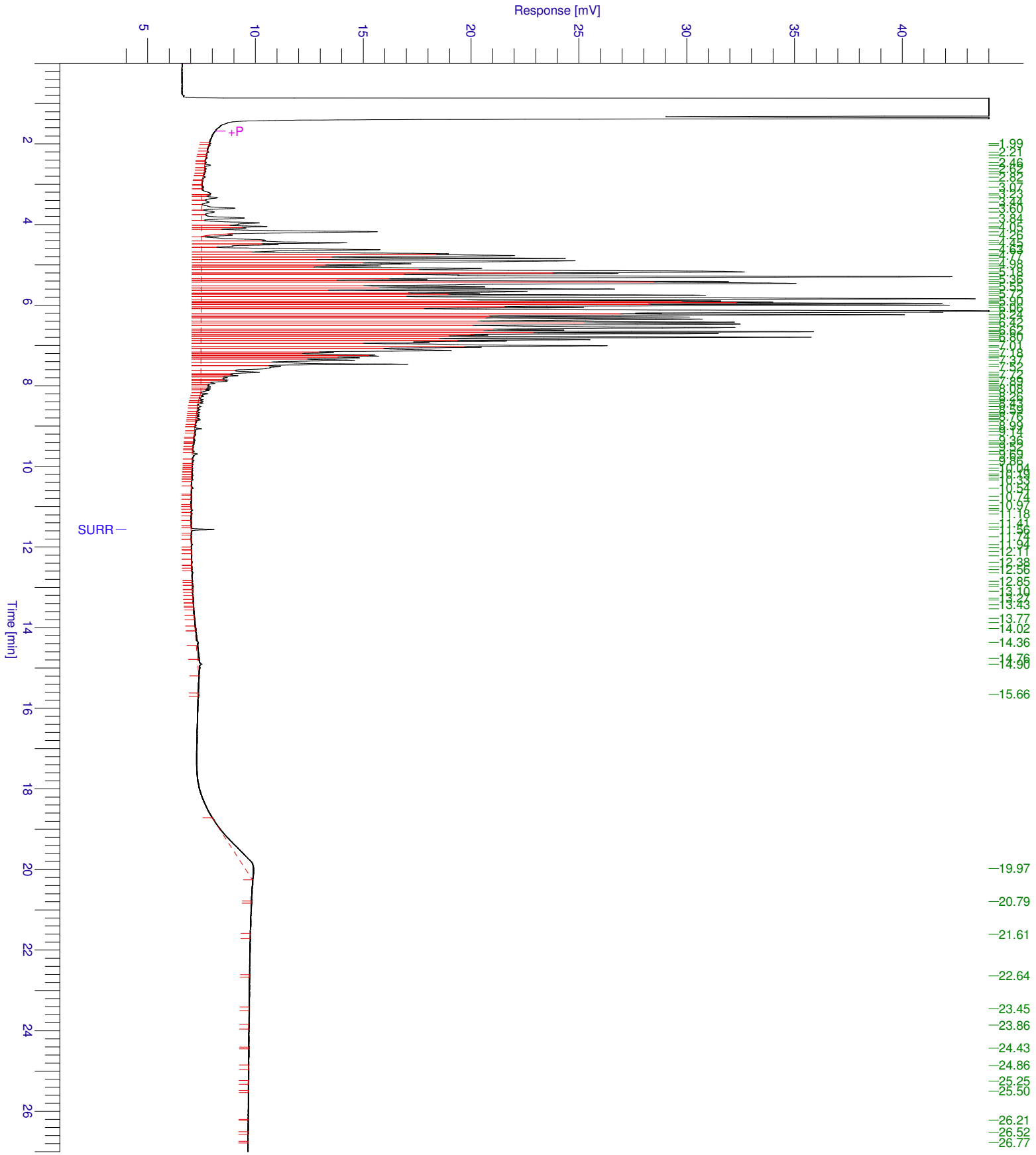
FB-15@20



Chromatogram

Sample Name : 1401032-05W DF 20 Sample #: 46
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\011414A046.raw
Date : 1/21/2014 2:44:13 PM
Method : 010714tphd.mth Time of Injection: 1/16/2014 11:33:19 AM
Start Time : 0.00 min End Time : 27.00 min Low Point : 4.00 mV High Point : 44.00 mV
Plot Offset: 4.00 mV Plot Scale: 40.0 mV

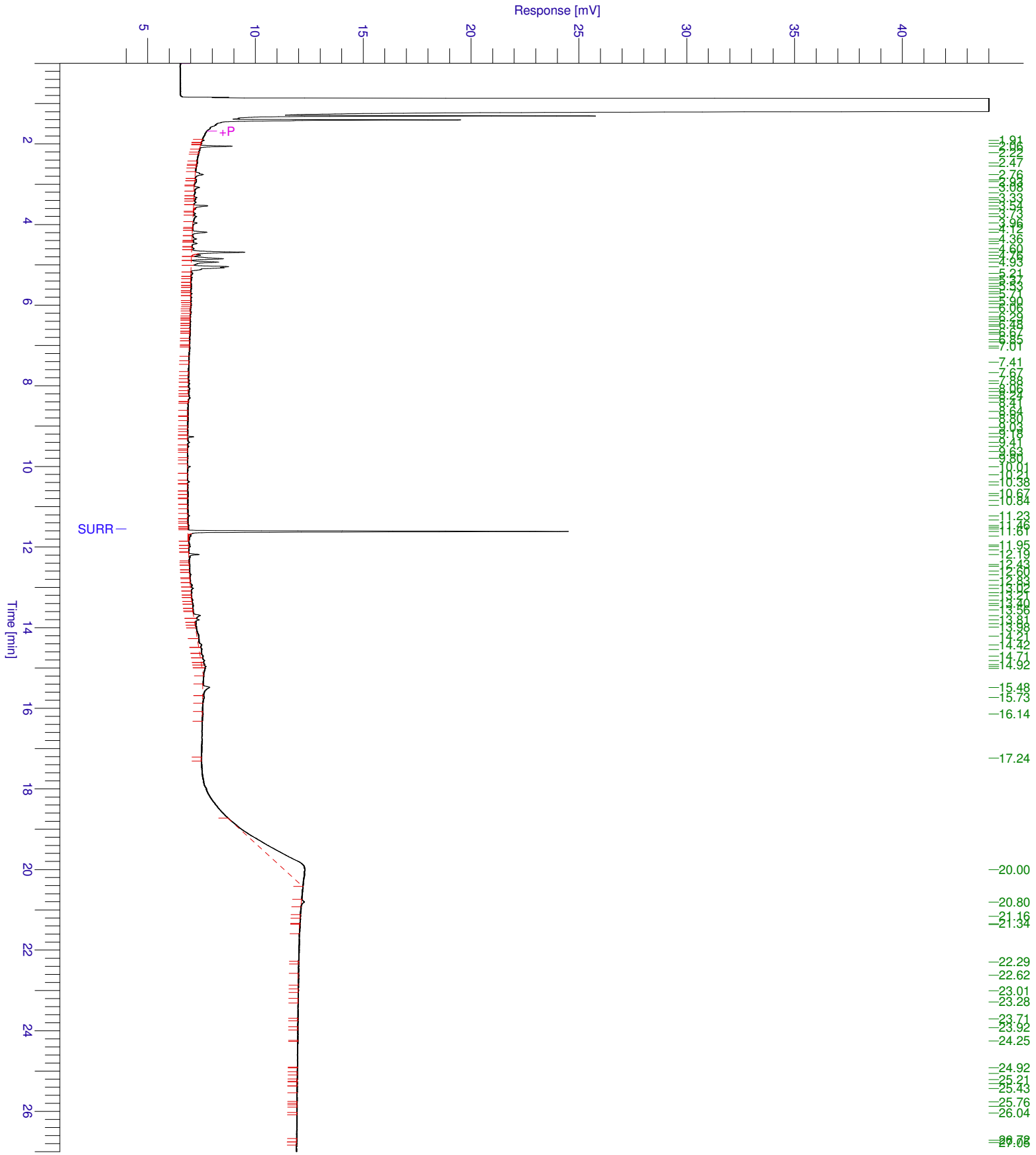
FB-15 (DF 20) (Water)



Chromatogram

Sample Name : 1401032-06S Sample #: 23 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\011414A023.raw
Date : 1/21/2014 2:44:47 PM
Method : 010714tphd.mth Time of Injection: 1/15/2014 4:29:00 PM
Start Time : 0.00 min End Time : 27.00 min Low Point : 4.00 mV High Point : 44.00 mV
Plot Offset: 4.00 mV Plot Scale: 40.0 mV

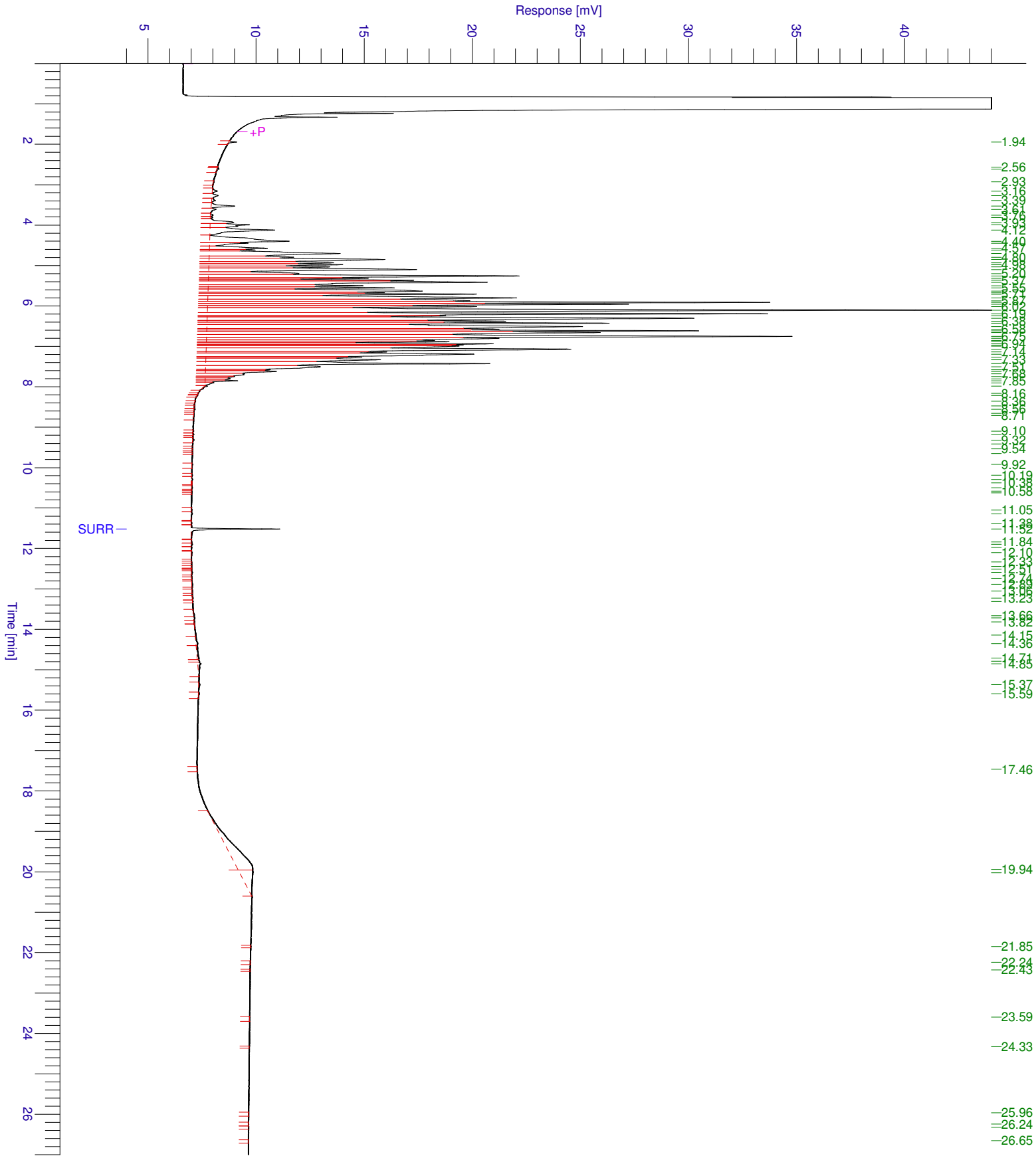
FB-19@15



Chromatogram

Sample Name : 1401032-07S DF 5 Sample #: 35 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\011414A035.raw
Date : 1/21/2014 2:45:19 PM
Method : 010714tphd.mth Time of Injection: 1/16/2014 2:30:34 AM
Start Time : 0.00 min End Time : 27.00 min Low Point : 4.00 mV High Point : 44.00 mV
Plot Offset: 4.00 mV Plot Scale: 40.0 mV

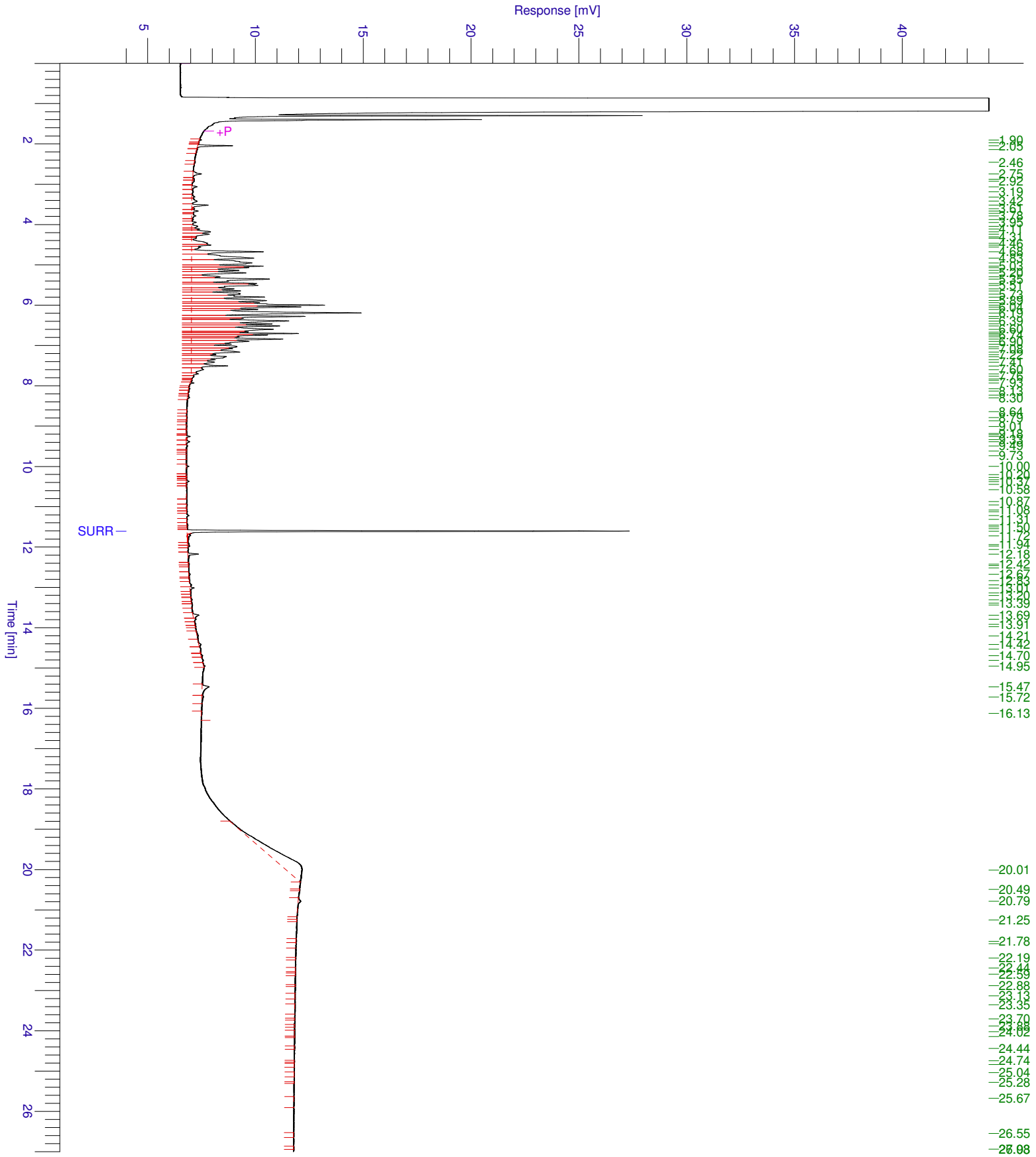
FB-19@17.5 (DF5)



Chromatogram

Sample Name : 1401032-08S Sample #: 25
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\011414A025.raw
Date : 1/21/2014 2:45:48 PM
Method : 010714tphd.mth Time of Injection: 1/15/2014 6:09:40 PM
Start Time : 0.00 min End Time : 27.00 min Low Point : 4.00 mV High Point : 44.00 mV
Plot Offset: 4.00 mV Plot Scale: 40.0 mV

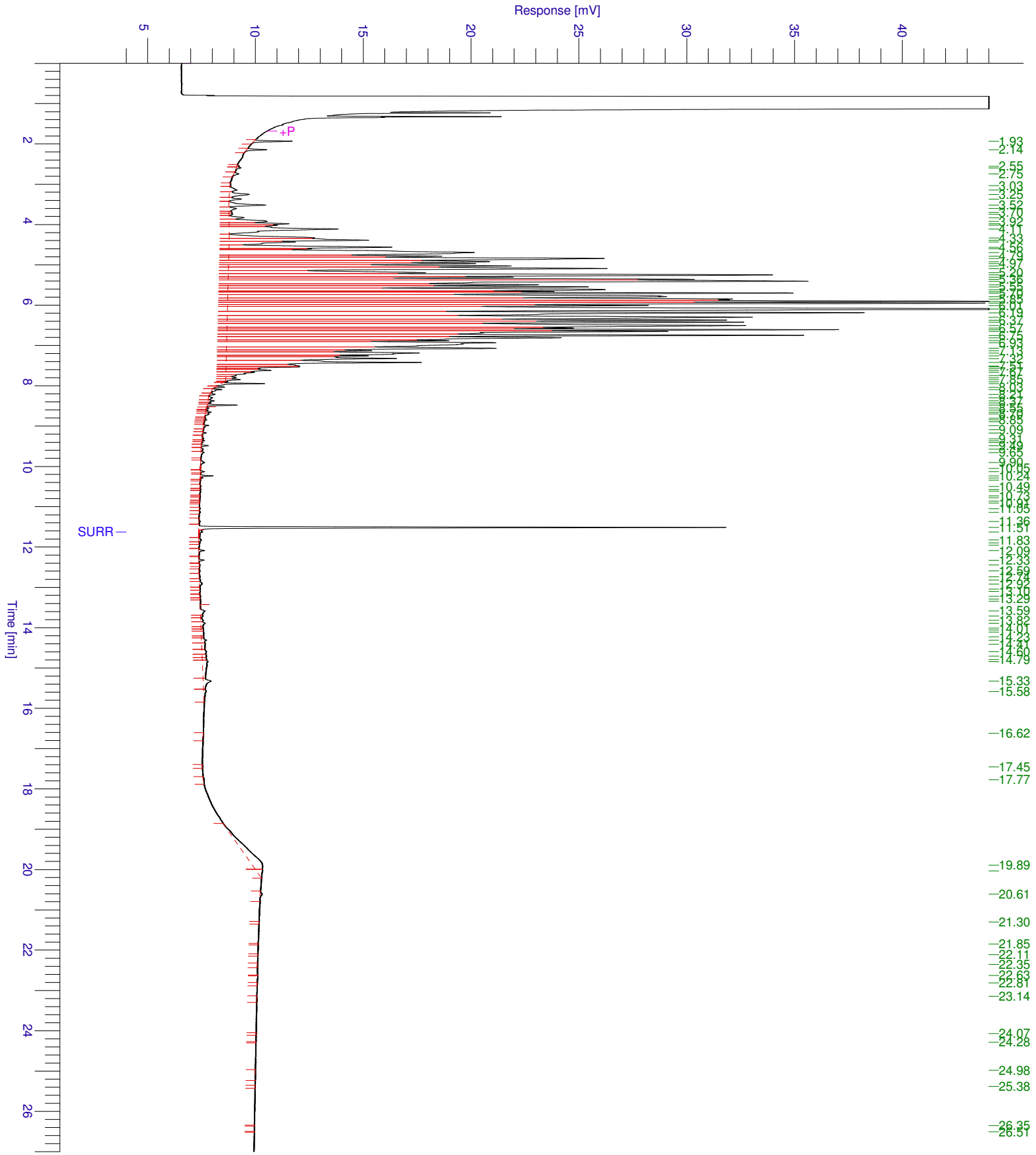
FB-19@20



Chromatogram

Sample Name : 1401032-09W Sample #: 43 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\011414A043.raw
Date : 1/21/2014 2:46:47 PM
Method : 010714tphd.mth Time of Injection: 1/16/2014 9:04:21 AM
Start Time : 0.00 min End Time : 27.00 min Low Point : 4.00 mV High Point : 44.00 mV
Plot Offset: 4.00 mV Plot Scale: 40.0 mV

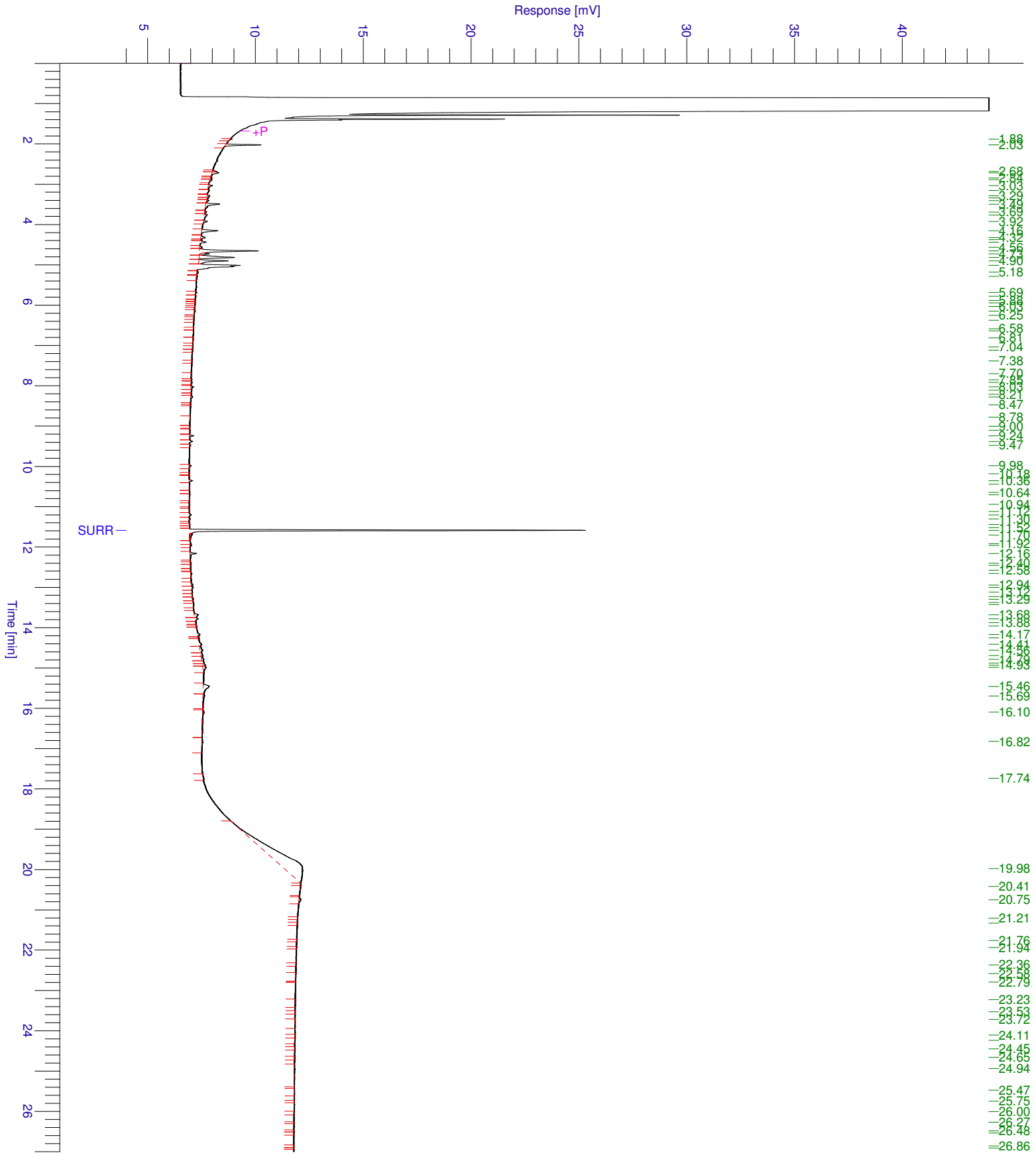
FB-19 (Water)



Chromatogram

Sample Name : 1401032-10S Sample #: 27 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\011414A027.raw
Date : 1/21/2014 2:48:09 PM
Method : 010714tphd.mth Time of Injection: 1/15/2014 7:49:54 PM
Start Time : 0.00 min End Time : 27.00 min Low Point : 4.00 mV High Point : 44.00 mV
Plot Offset: 4.00 mV Plot Scale: 40.0 mV

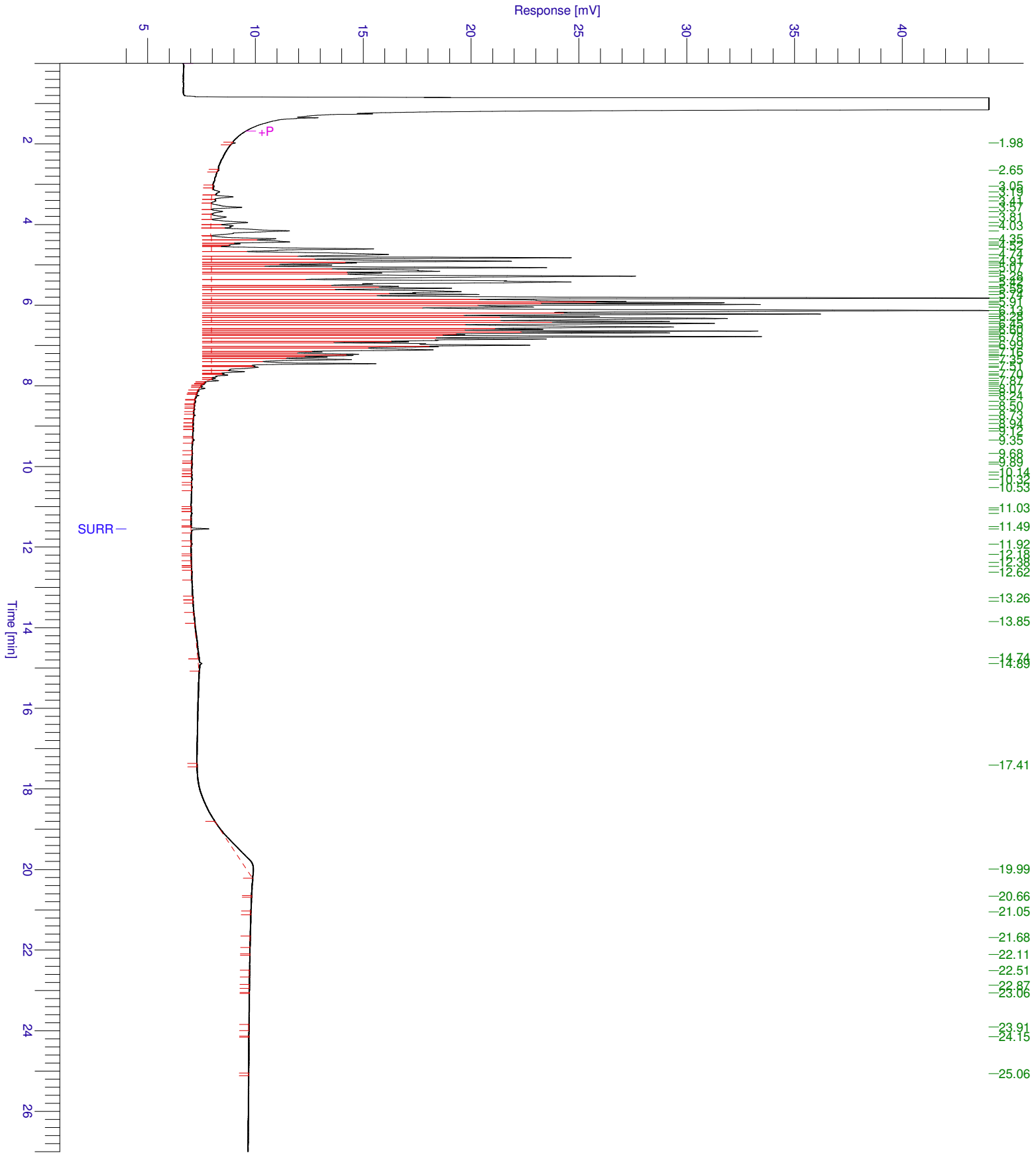
FB-20@10



Chromatogram

Sample Name : 1401032-11S DF 20 Sample #: 45
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\011414A045.raw
Date : 1/21/2014 2:49:00 PM
Method : 010714tphd.mth Time of Injection: 1/16/2014 10:43:18 AM
Start Time : 0.00 min End Time : 27.00 min Low Point : 4.00 mV High Point : 44.00 mV
Plot Offset: 4.00 mV Plot Scale: 40.0 mV

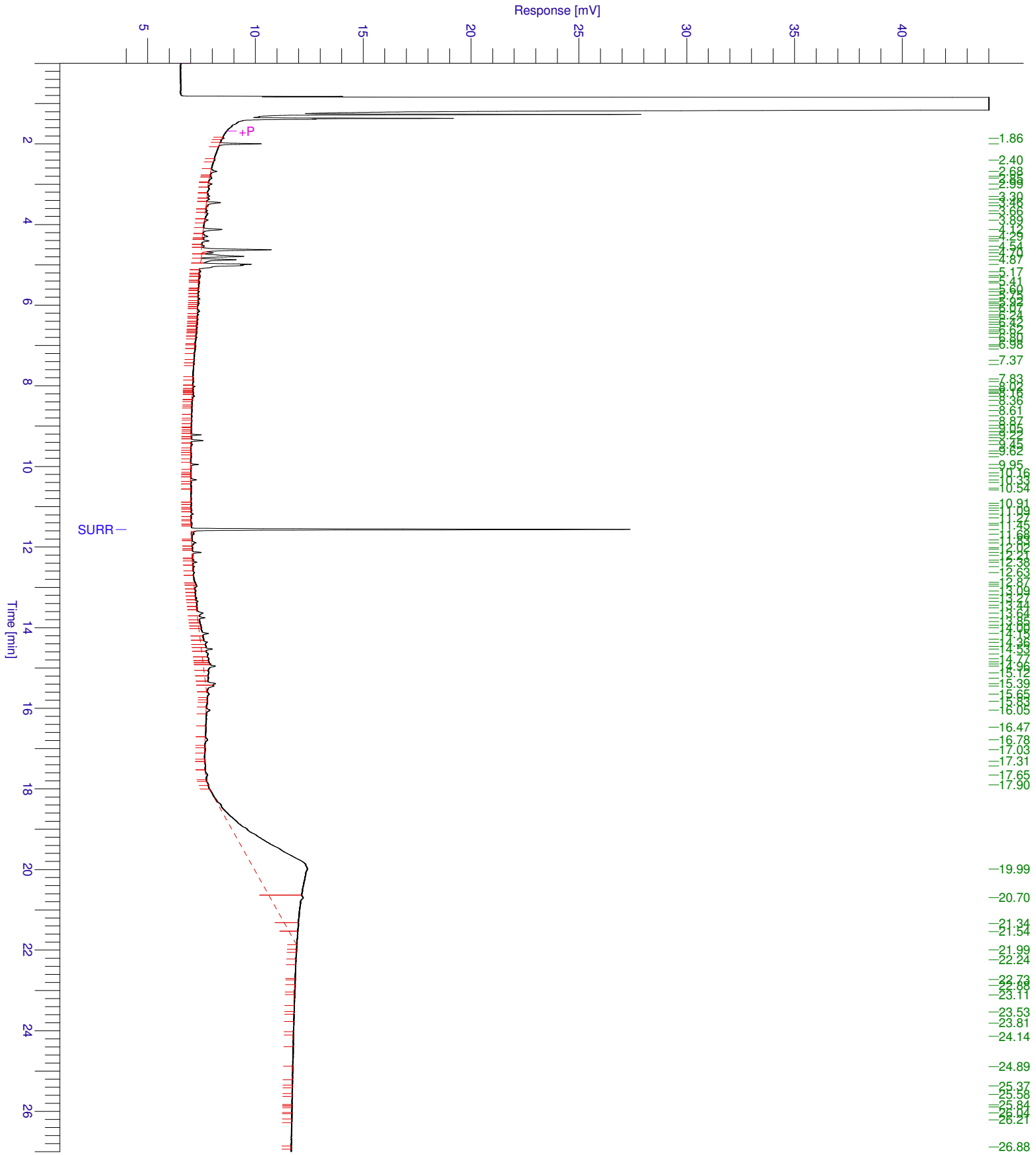
FB-20@15 (DF20)



Chromatogram

Sample Name : 1401032-12S Sample #: 29 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\011414A029.raw
Date : 1/21/2014 2:49:34 PM
Method : 010714tphd.mth Time of Injection: 1/15/2014 9:31:04 PM
Start Time : 0.00 min End Time : 27.00 min Low Point : 4.00 mV High Point : 44.00 mV
Plot Offset: 4.00 mV Plot Scale: 40.0 mV

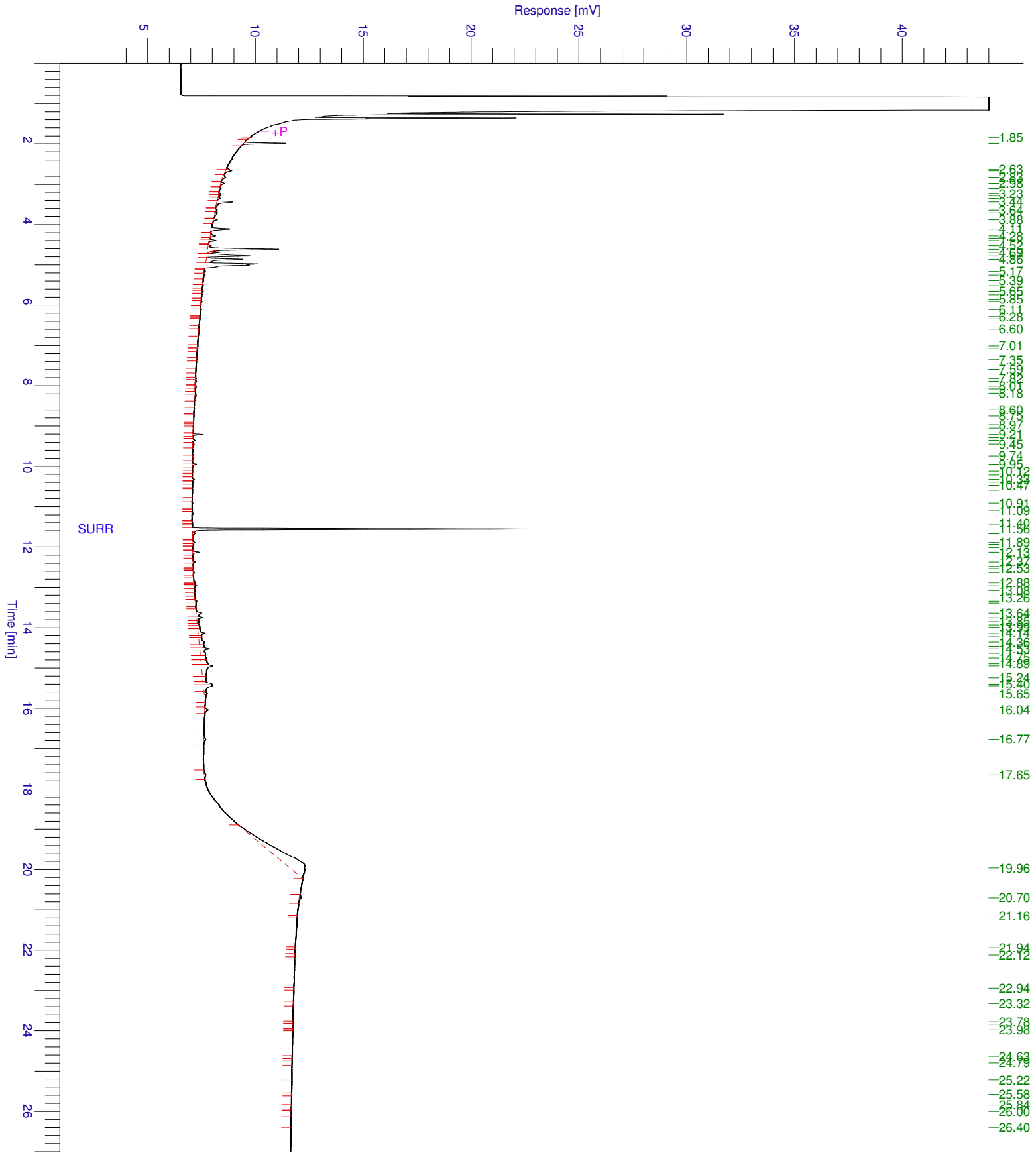
FB-20@20



Chromatogram

Sample Name : 1401032-13S Sample #: 30 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\011414A030.raw
Date : 1/21/2014 2:50:05 PM
Method : 010714tphd.mth Time of Injection: 1/15/2014 10:21:25 PM
Start Time : 0.00 min End Time : 27.00 min Low Point : 4.00 mV High Point : 44.00 mV
Plot Offset: 4.00 mV Plot Scale: 40.0 mV

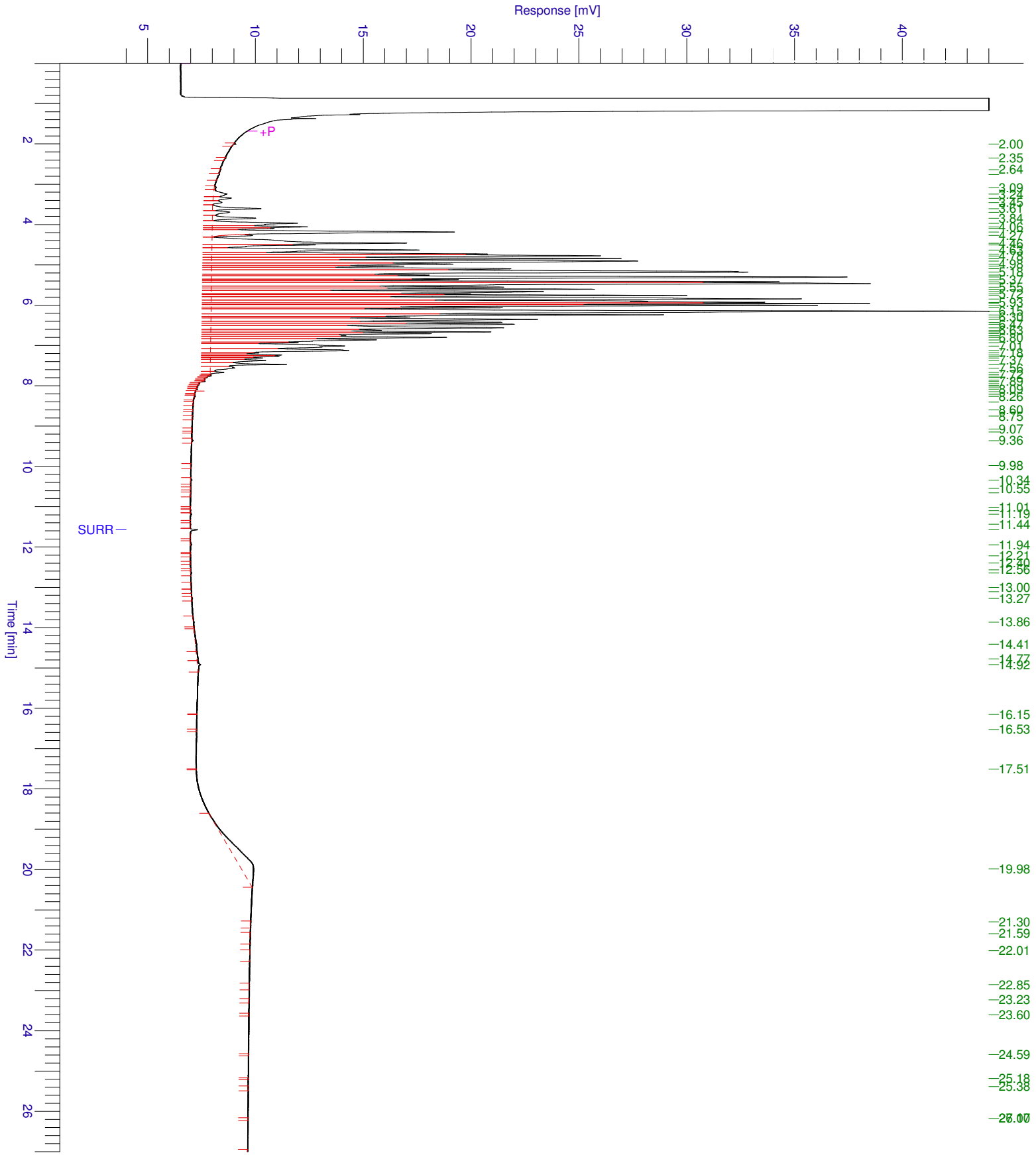
FB-21@10



Chromatogram

Sample Name : 1401032-14S DF 50 Sample #: 50
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\011414A050.raw
Date : 1/21/2014 2:51:22 PM
Method : 010714tphd.mth Time of Injection: 1/16/2014 2:54:30 PM
Start Time : 0.00 min End Time : 27.00 min Low Point : 4.00 mV High Point : 44.00 mV
Plot Offset: 4.00 mV Plot Scale: 40.0 mV

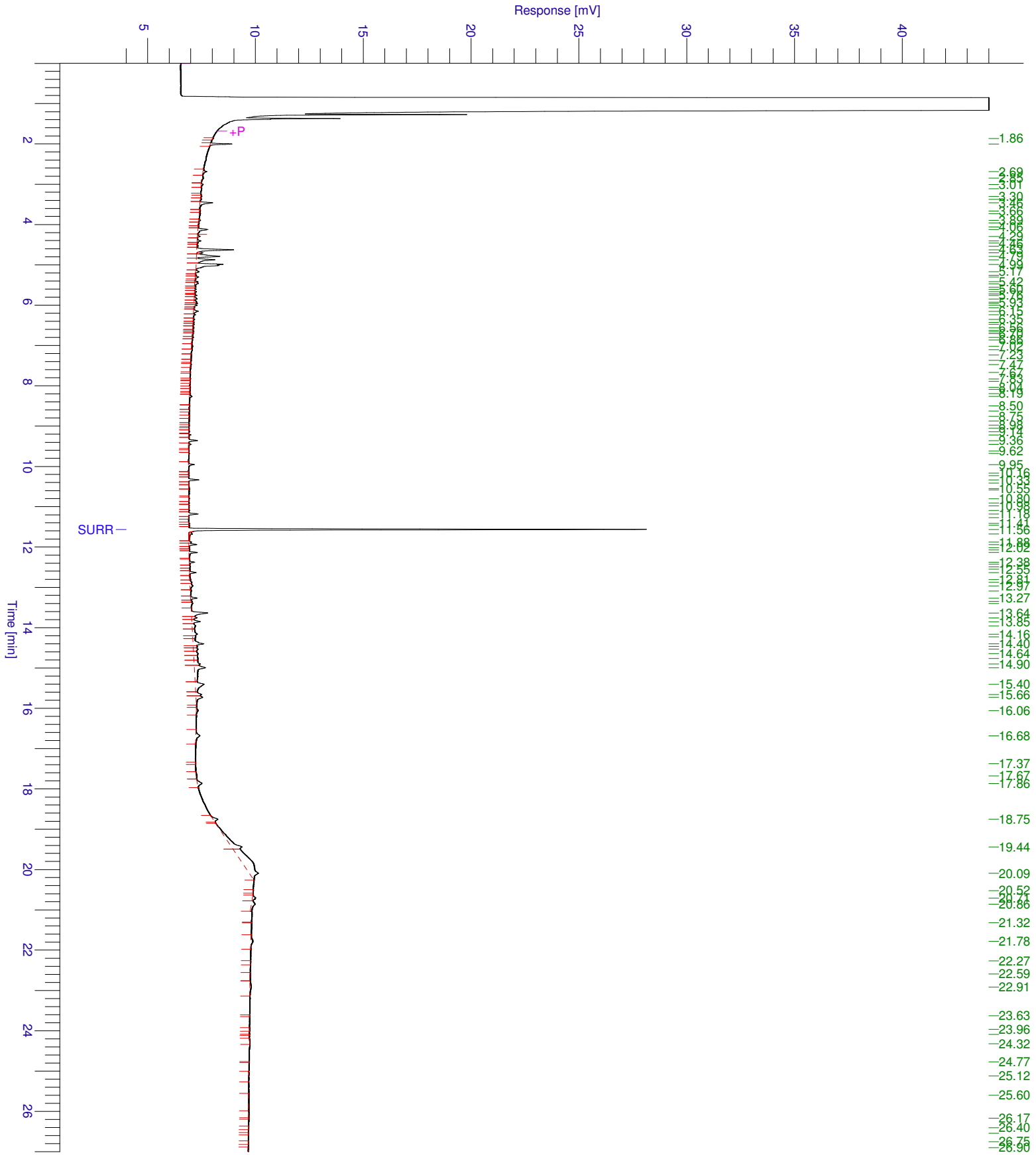
FB-21@15 (DF50)



Chromatogram

Sample Name : 1401032-15S Sample #: 49 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\011414A049.raw
Date : 1/21/2014 2:52:04 PM
Method : 010714tphd.mth Time of Injection: 1/16/2014 2:04:15 PM
Start Time : 0.00 min End Time : 27.00 min Low Point : 4.00 mV High Point : 44.00 mV
Plot Offset: 4.00 mV Plot Scale: 40.0 mV

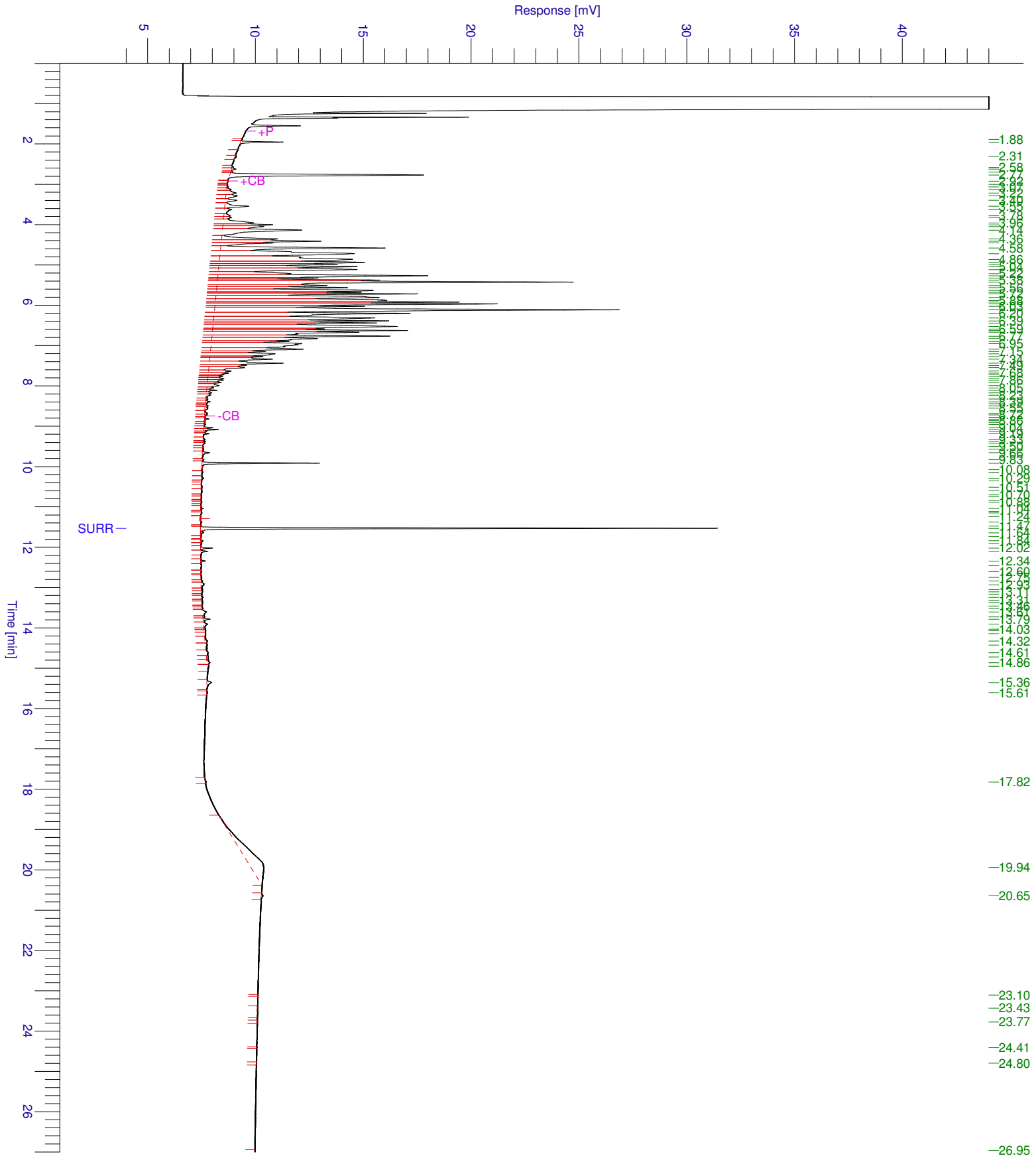
FB-21@20



Chromatogram

Sample Name : 1401032-16W Sample #: 44
FileName : C:\PenExe\TcWS\Ver6.3.1\HP DIESEL DATA\011414A044.raw
Date : 1/21/2014 2:53:01 PM
Method : 010714tphd.mth Time of Injection: 1/16/2014 9:53:40 AM
Start Time : 0.00 min End Time : 27.00 min Low Point : 4.00 mV High Point : 44.00 mV
Plot Offset: 4.00 mV Plot Scale: 40.0 mV

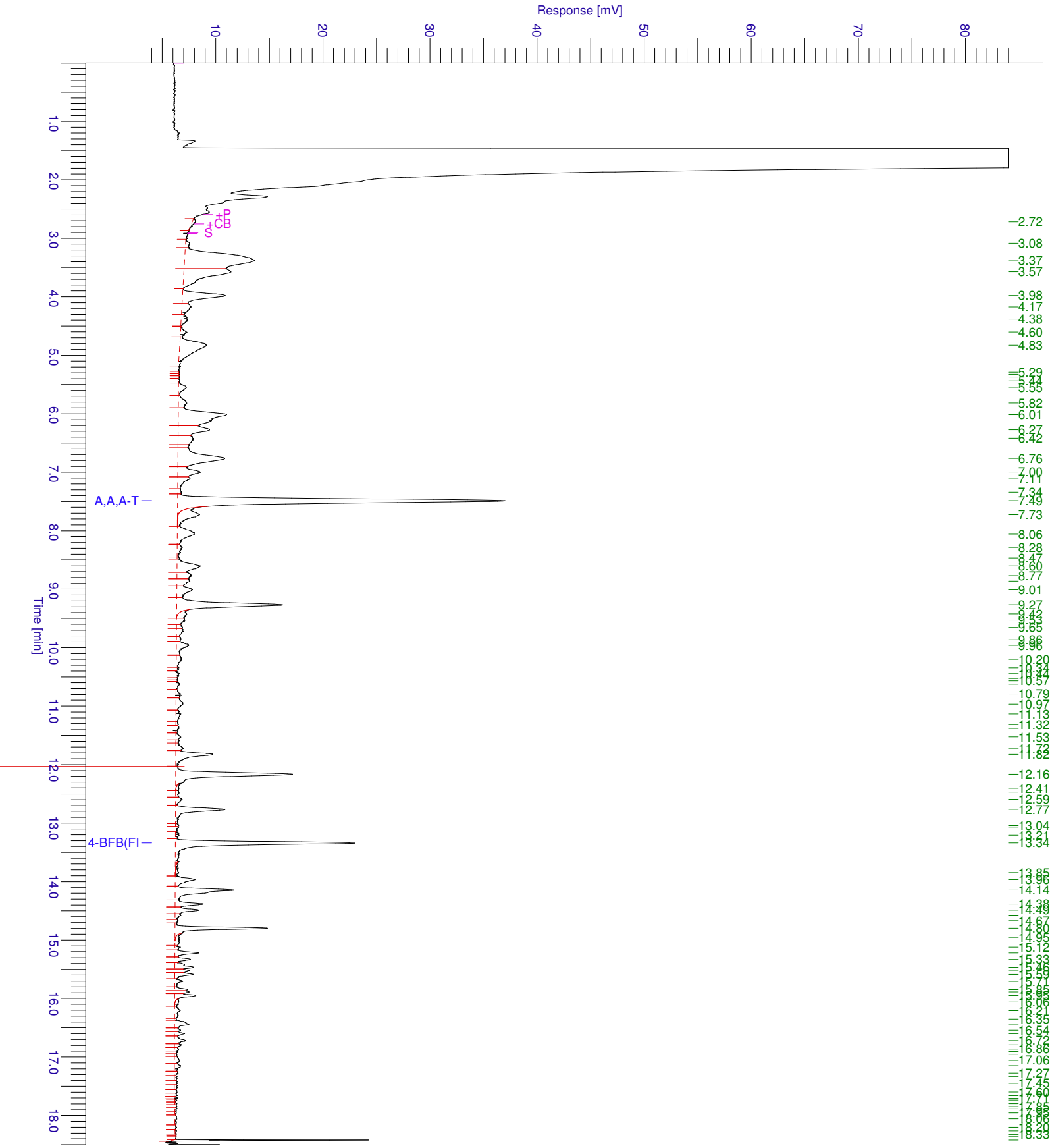
FB-21 (Water)



Chromatogram

Sample Name : 100 PPB Gas STD Sample #: 021 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\HP BTEX DATA\012014B021.raw
Date : 1/27/2014 2:04:14 PM
Method : 010714hpgascal10.mth Time of Injection: 1/20/2014 10:52:42 PM
Start Time : 0.00 min End Time : 18.50 min Low Point : 4.00 mV High Point : 84.00 mV
Plot Offset: 4.00 mV Plot Scale: 80.0 mV

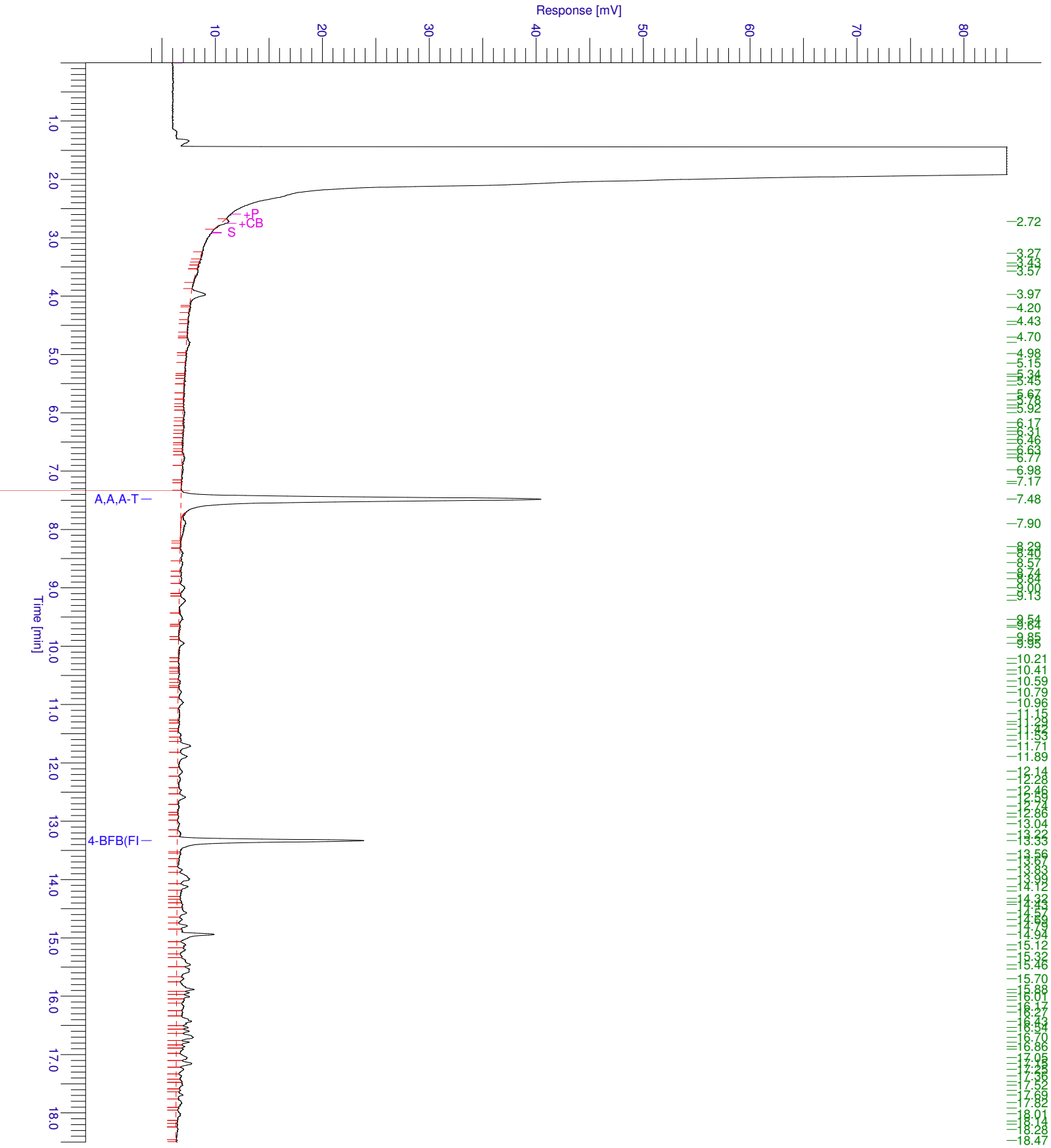
2 ppm Gasoline Standard (Soil Concentration)



Chromatogram

Sample Name : VS-MB-1204 Sample #: 005
FileName : C:\PenExe\TcWS\Ver6.3.1\HP BTEX DATA\012014B005.raw
Date : 1/27/2014 2:03:15 PM
Method : 010714hpgascal10.mth Time of Injection: 1/20/2014 4:17:35 PM
Start Time : 0.00 min End Time : 18.50 min Low Point : 4.00 mV High Point : 84.00 mV
Plot Offset: 4.00 mV Plot Scale: 80.0 mV

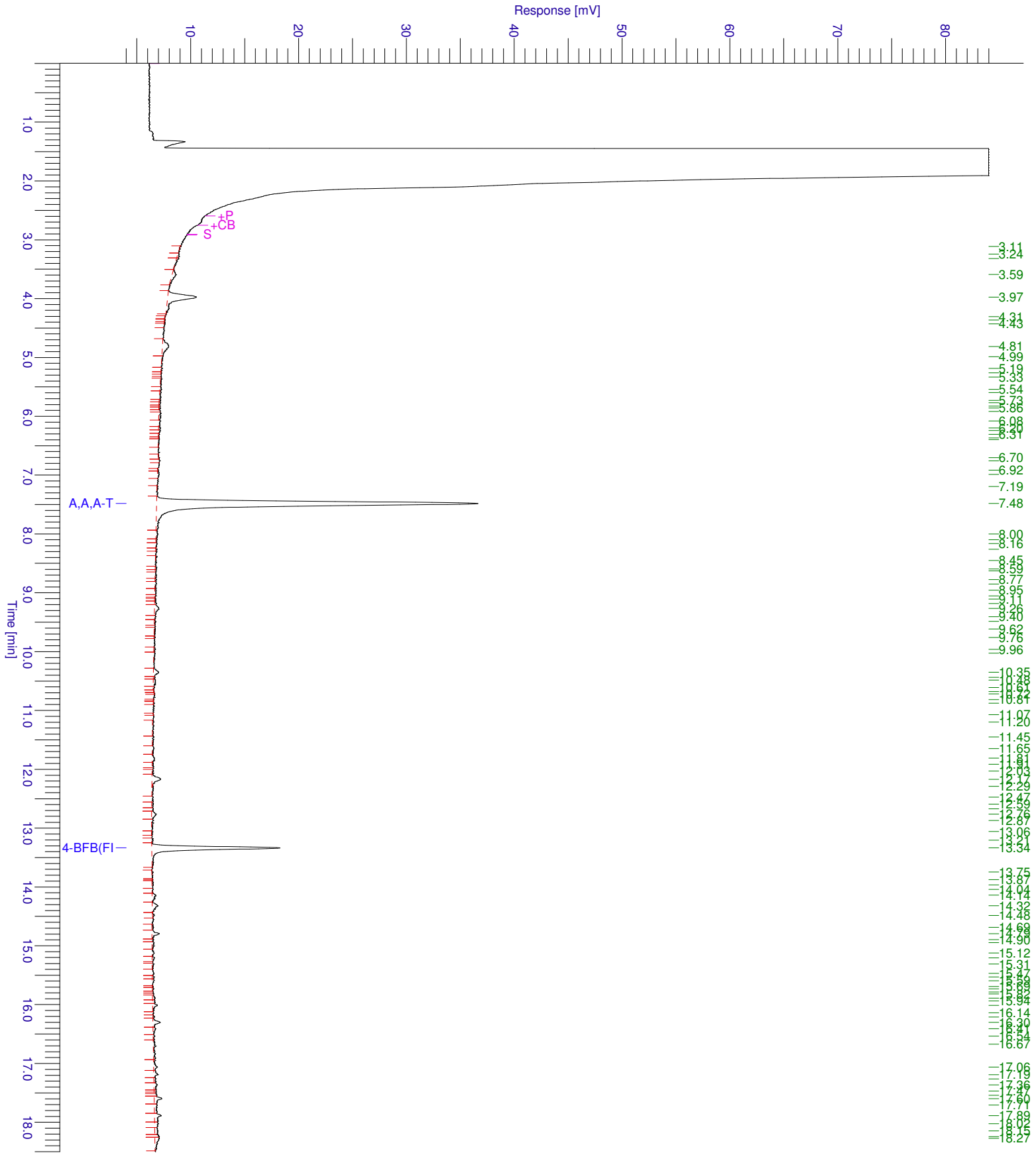
Method Blank (Gasoline)



Chromatogram

Sample Name : 1401032-01S Sample #: 007 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\HP BTEX DATA\012014B007.raw
Date : 1/27/2014 1:54:39 PM
Method : 010714hpgascal10.mth Time of Injection: 1/20/2014 5:07:04 PM
Start Time : 0.00 min End Time : 18.50 min Low Point : 4.00 mV High Point : 84.00 mV
Plot Offset: 4.00 mV Plot Scale: 80.0 mV

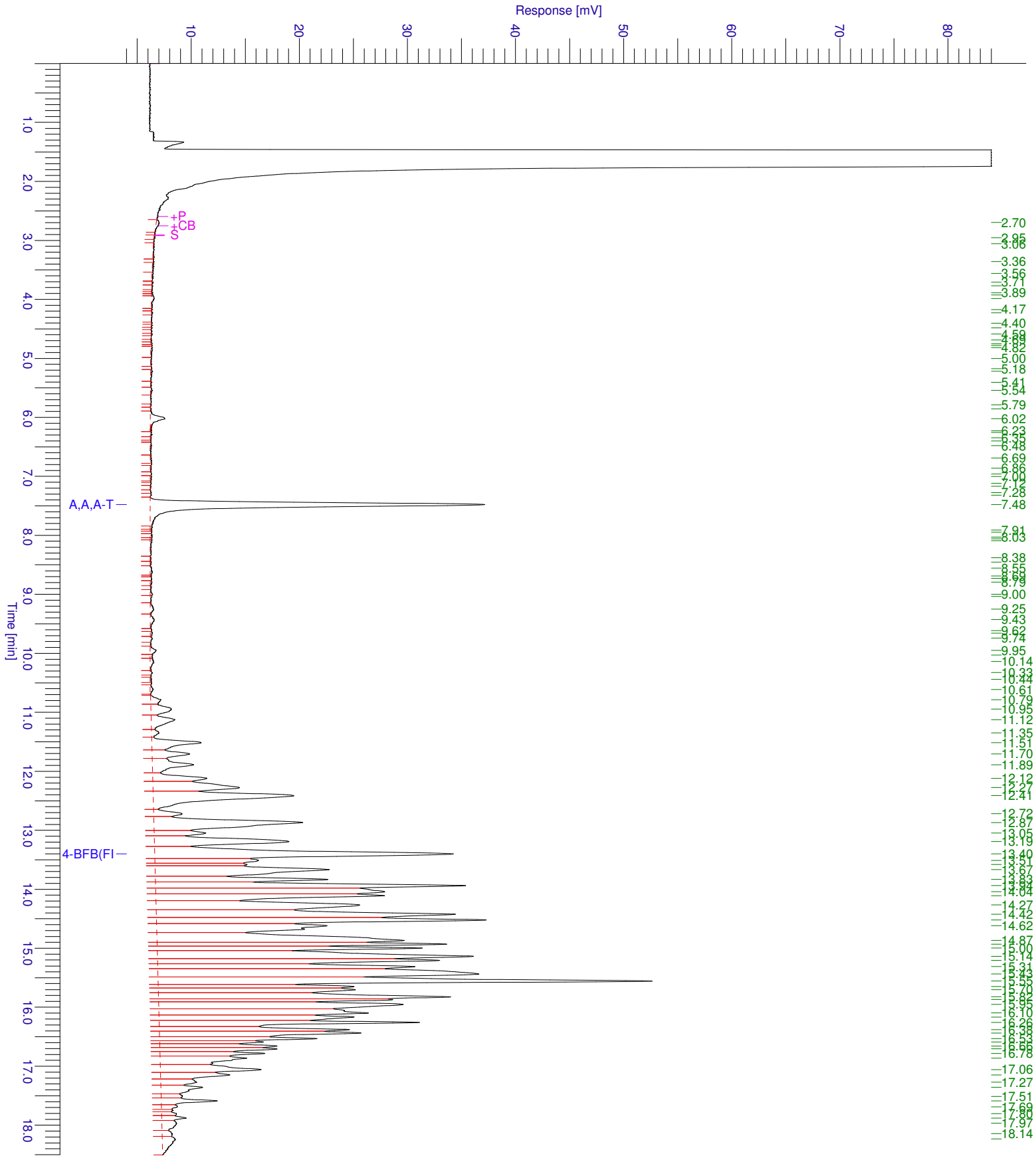
FB-15@10



Chromatogram

Sample Name : 1401032-02S DF50 Sample #: 008
FileName : C:\PenExe\TcWS\Ver6.3.1\HP BTEX DATA\012014B008.raw
Date : 1/27/2014 1:55:37 PM
Method : 010714hpgascal10.mth Time of Injection: 1/20/2014 5:31:52 PM
Start Time : 0.00 min End Time : 18.50 min Low Point : 4.00 mV High Point : 84.00 mV
Plot Offset: 4.00 mV Plot Scale: 80.0 mV

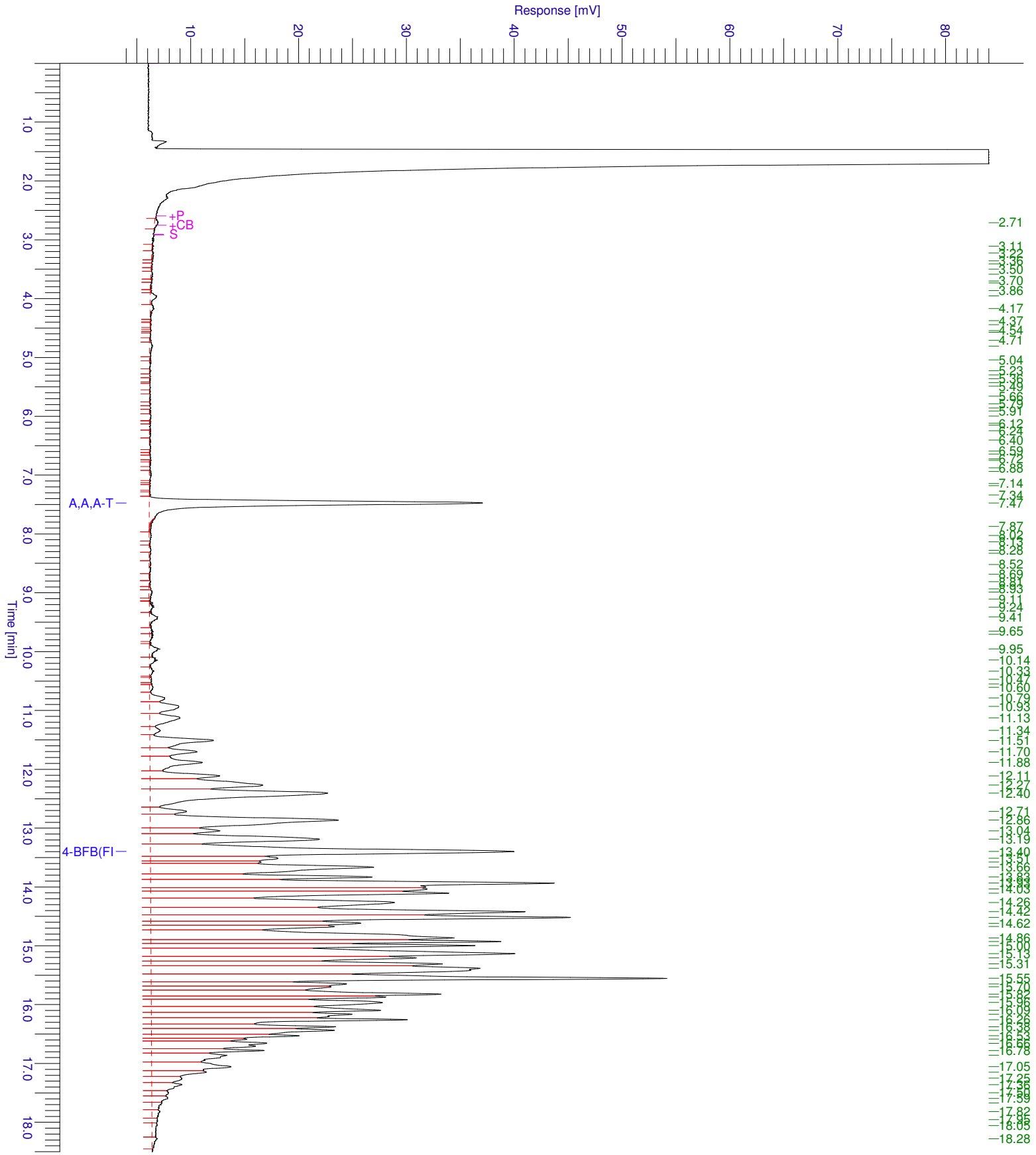
FB-15@15 (DF50)



Chromatogram

Sample Name : 1401032-03S DF50 Sample #: 009
FileName : C:\PenExe\TcWS\Ver6.3.1\HP BTEX DATA\012014B009.raw
Date : 1/27/2014 1:56:12 PM
Method : 010714hpgascal10.mth Time of Injection: 1/20/2014 5:56:46 PM
Start Time : 0.00 min End Time : 18.50 min Low Point : 4.00 mV High Point : 84.00 mV
Plot Offset: 4.00 mV Plot Scale: 80.0 mV

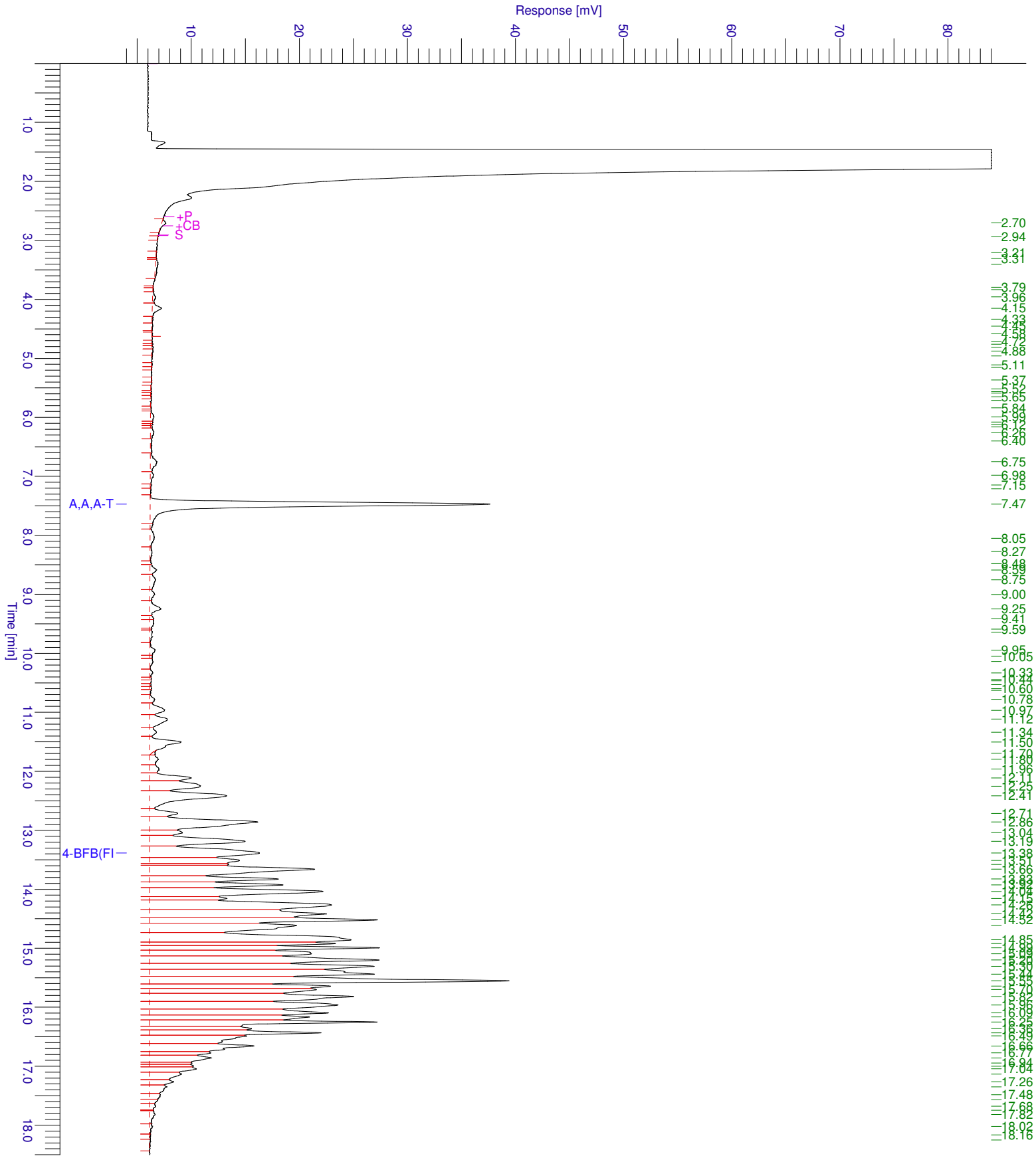
FB-15@17.5 (DF50)



Chromatogram

Sample Name : 1401032-04S DF5 Sample #: 004
FileName : C:\PenExe\TcWS\Ver6.3.1\HP BTEX DATA\012314b004.raw
Date : 1/27/2014 2:35:43 PM
Method : 010714hpgascal10.mth Time of Injection: 1/23/2014 1:46:52 PM
Start Time : 0.00 min End Time : 18.50 min Low Point : 4.00 mV High Point : 84.00 mV
Plot Offset: 4.00 mV Plot Scale: 80.0 mV

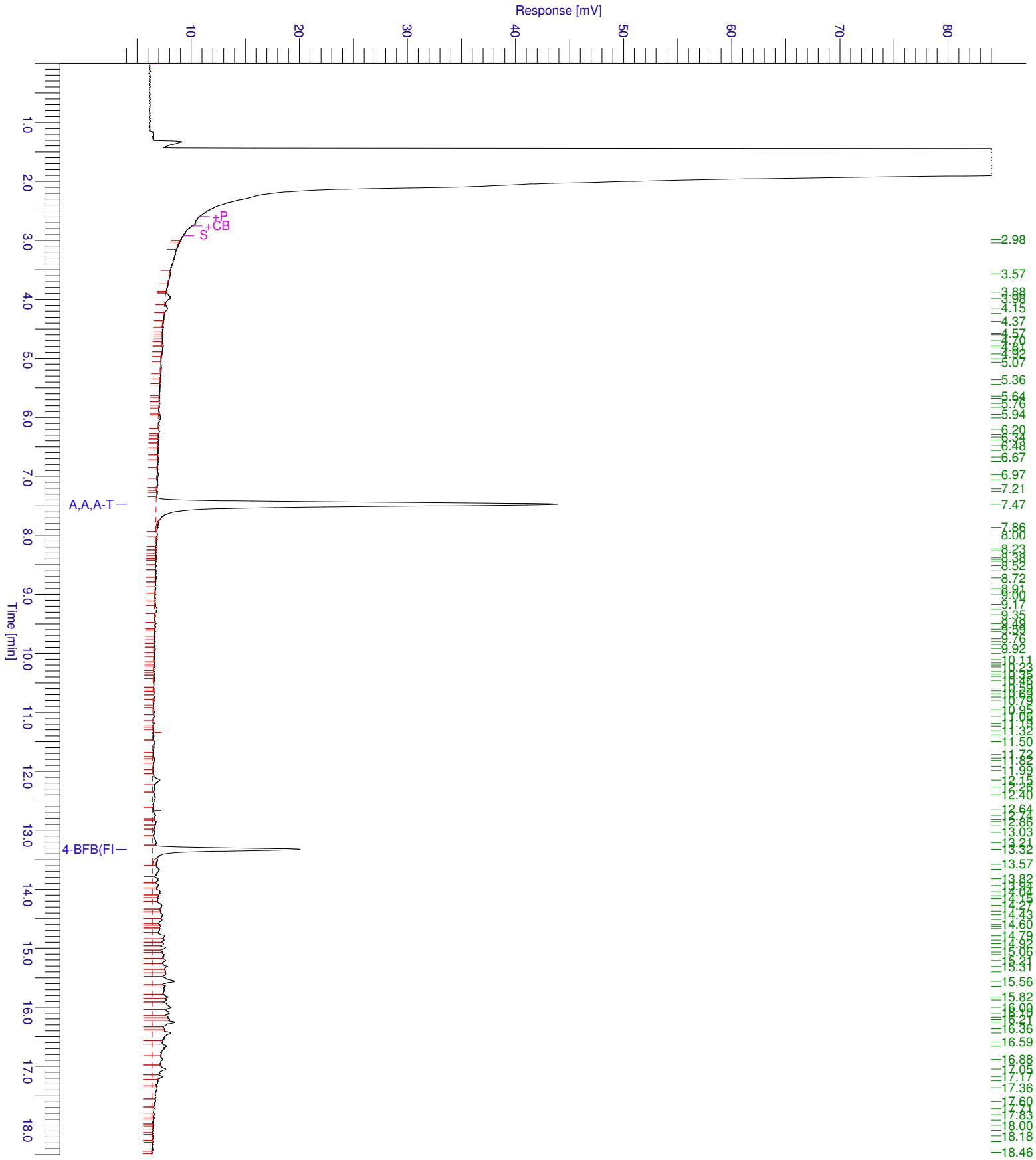
FB-15@20 (DF5)



Chromatogram

Sample Name : 1401032-06S Sample #: 011
FileName : C:\PenExe\TcWS\Ver6.3.1\HP BTEX DATA\012014B011.raw
Date : 1/27/2014 1:57:36 PM
Method : 010714hpgascal10.mth Time of Injection: 1/20/2014 6:46:32 PM
Start Time : 0.00 min End Time : 18.50 min Low Point : 4.00 mV High Point : 84.00 mV
Plot Offset: 4.00 mV Plot Scale: 80.0 mV

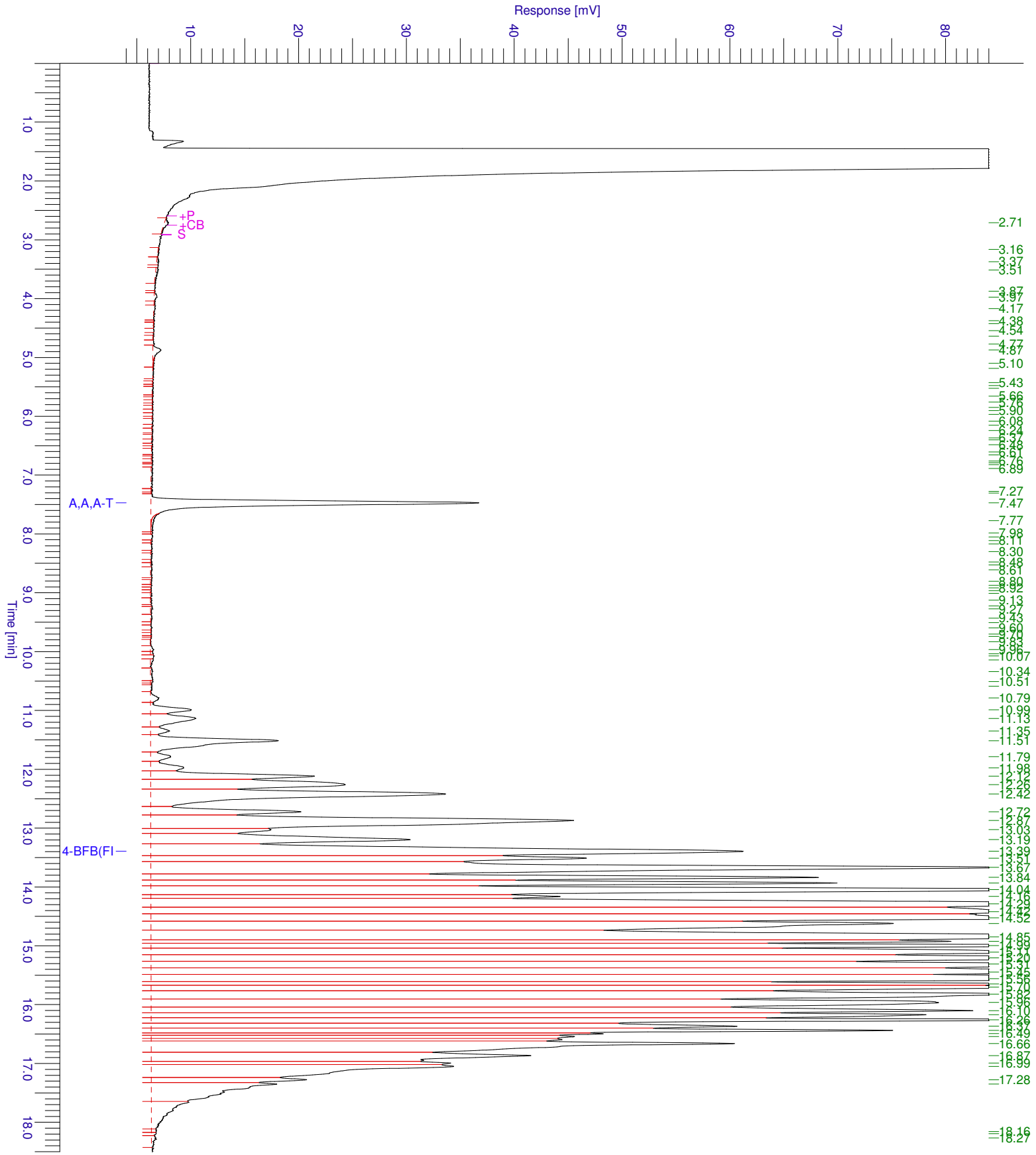
FB-19@15



Chromatogram

Sample Name : 1401032-07S DF5 Sample #: 012
FileName : C:\PenExe\TcWS\Ver6.3.1\HP BTEX DATA\012014B012.raw
Date : 1/27/2014 1:58:07 PM
Method : 010714hpgascal10.mth Time of Injection: 1/20/2014 7:11:20 PM
Start Time : 0.00 min End Time : 18.50 min Low Point : 4.00 mV High Point : 84.00 mV
Plot Offset: 4.00 mV Plot Scale: 80.0 mV

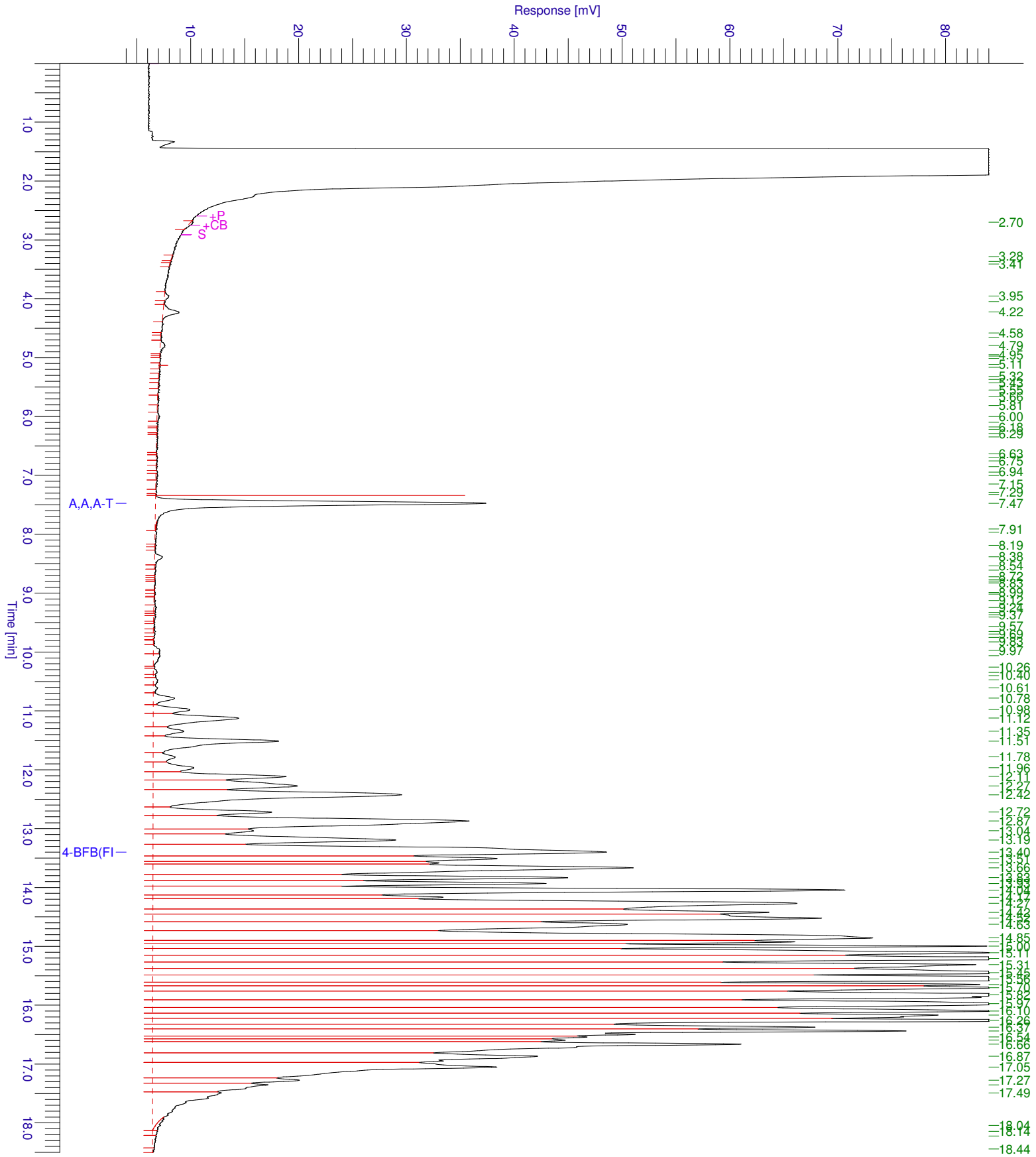
FB-19@17.5 (DF5)



Chromatogram

Sample Name : 1401032-08S Sample #: 013 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\HP BTEX DATA\012014B013.raw
Date : 1/27/2014 1:58:55 PM
Method : 010714hpgascal10.mth Time of Injection: 1/20/2014 7:36:10 PM
Start Time : 0.00 min End Time : 18.50 min Low Point : 4.00 mV High Point : 84.00 mV
Plot Offset: 4.00 mV Plot Scale: 80.0 mV

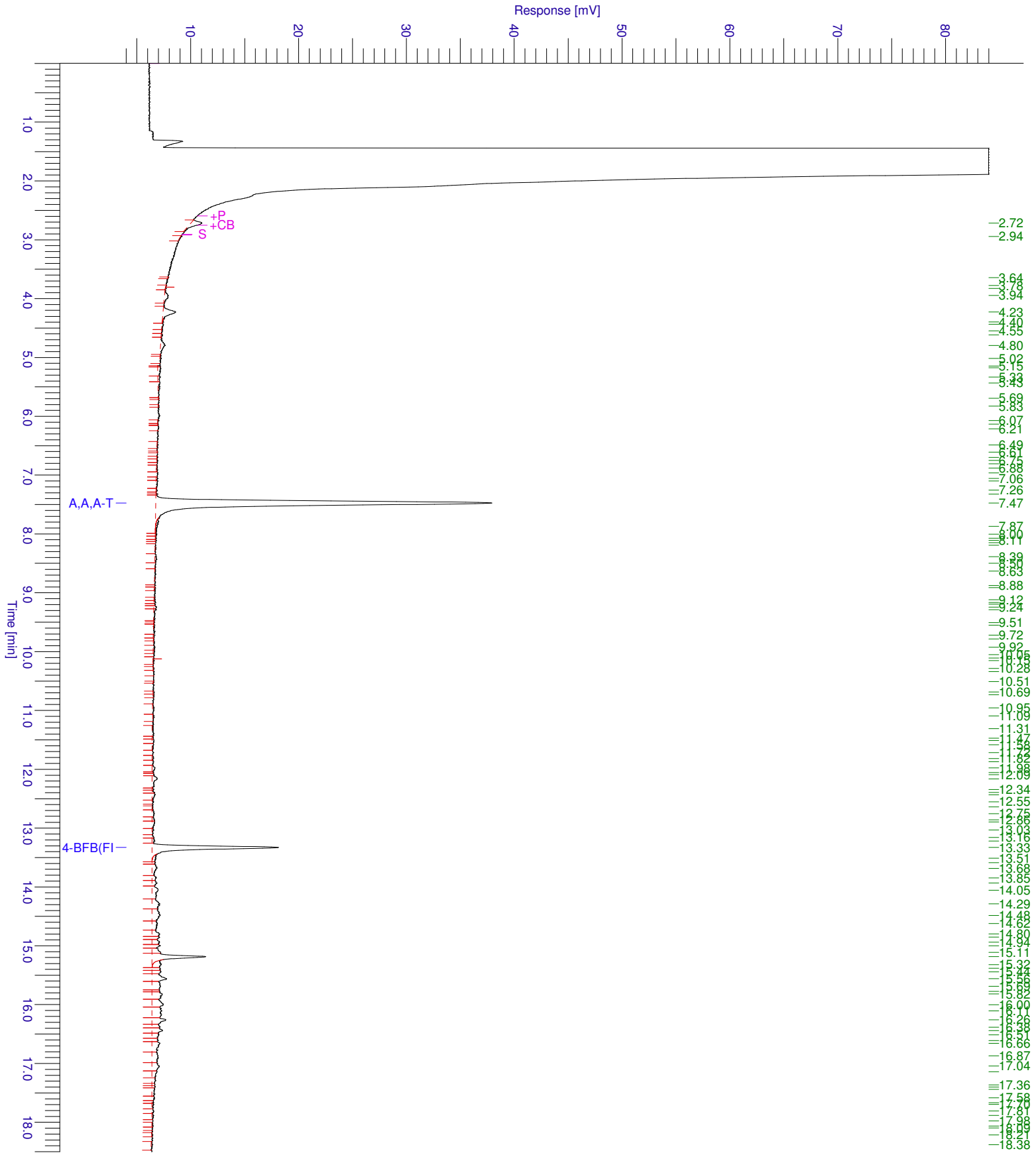
FB-19@20



Chromatogram

Sample Name : 1401032-10S Sample #: 014 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\HP BTEX DATA\012014B014.raw
Date : 1/27/2014 1:59:21 PM
Method : 010714hpgascal10.mth Time of Injection: 1/20/2014 8:00:55 PM
Start Time : 0.00 min End Time : 18.50 min Low Point : 4.00 mV High Point : 84.00 mV
Plot Offset: 4.00 mV Plot Scale: 80.0 mV

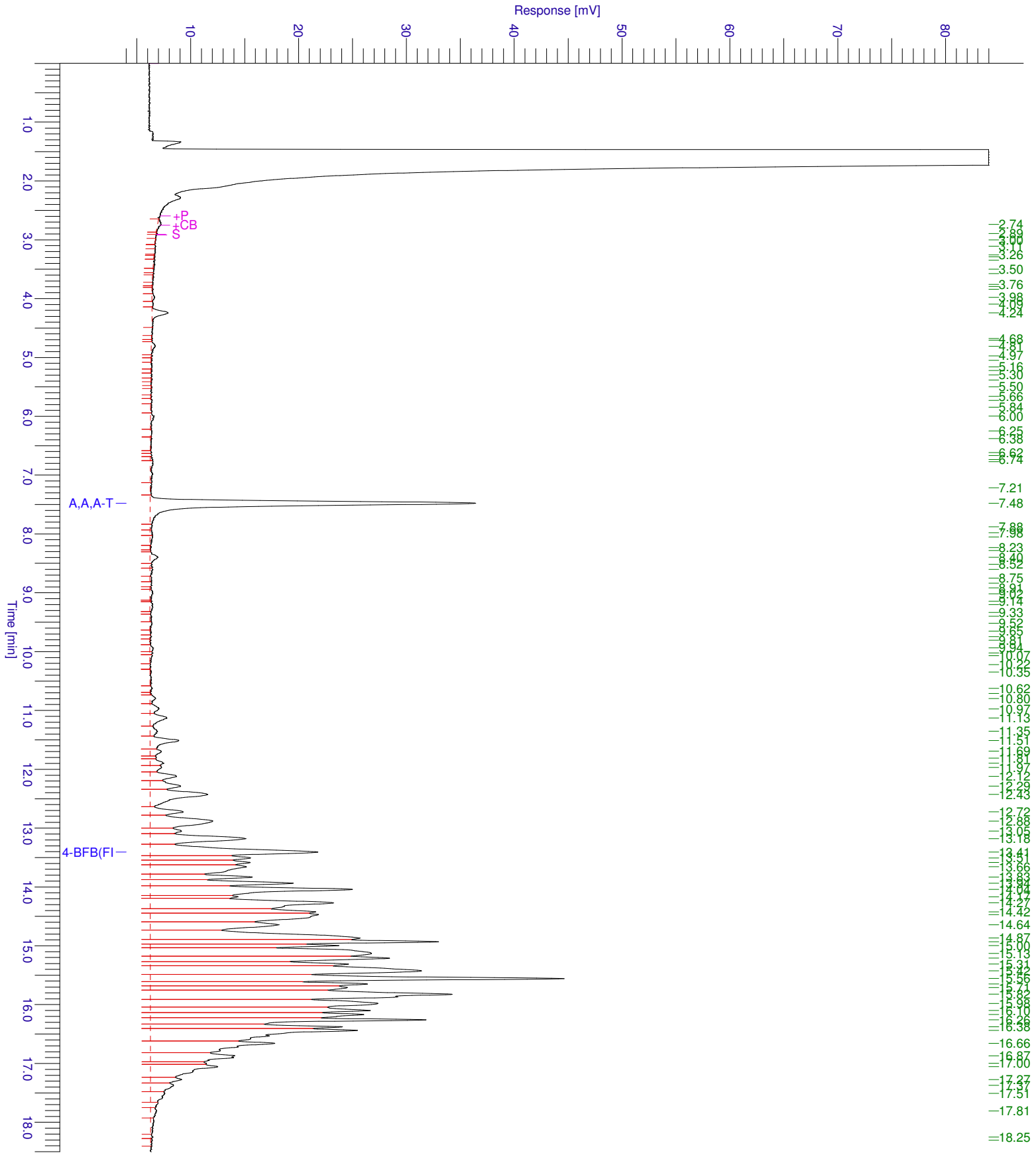
FB-20@10



Chromatogram

Sample Name : 1401032-11S DF20 Sample #: 015
FileName : C:\PenExe\TcWS\Ver6.3.1\HP BTEX DATA\012014B015.raw
Date : 1/27/2014 1:59:51 PM
Method : 010714hpgascal10.mth Time of Injection: 1/20/2014 8:25:38 PM
Start Time : 0.00 min End Time : 18.50 min Low Point : 4.00 mV High Point : 84.00 mV
Plot Offset: 4.00 mV Plot Scale: 80.0 mV

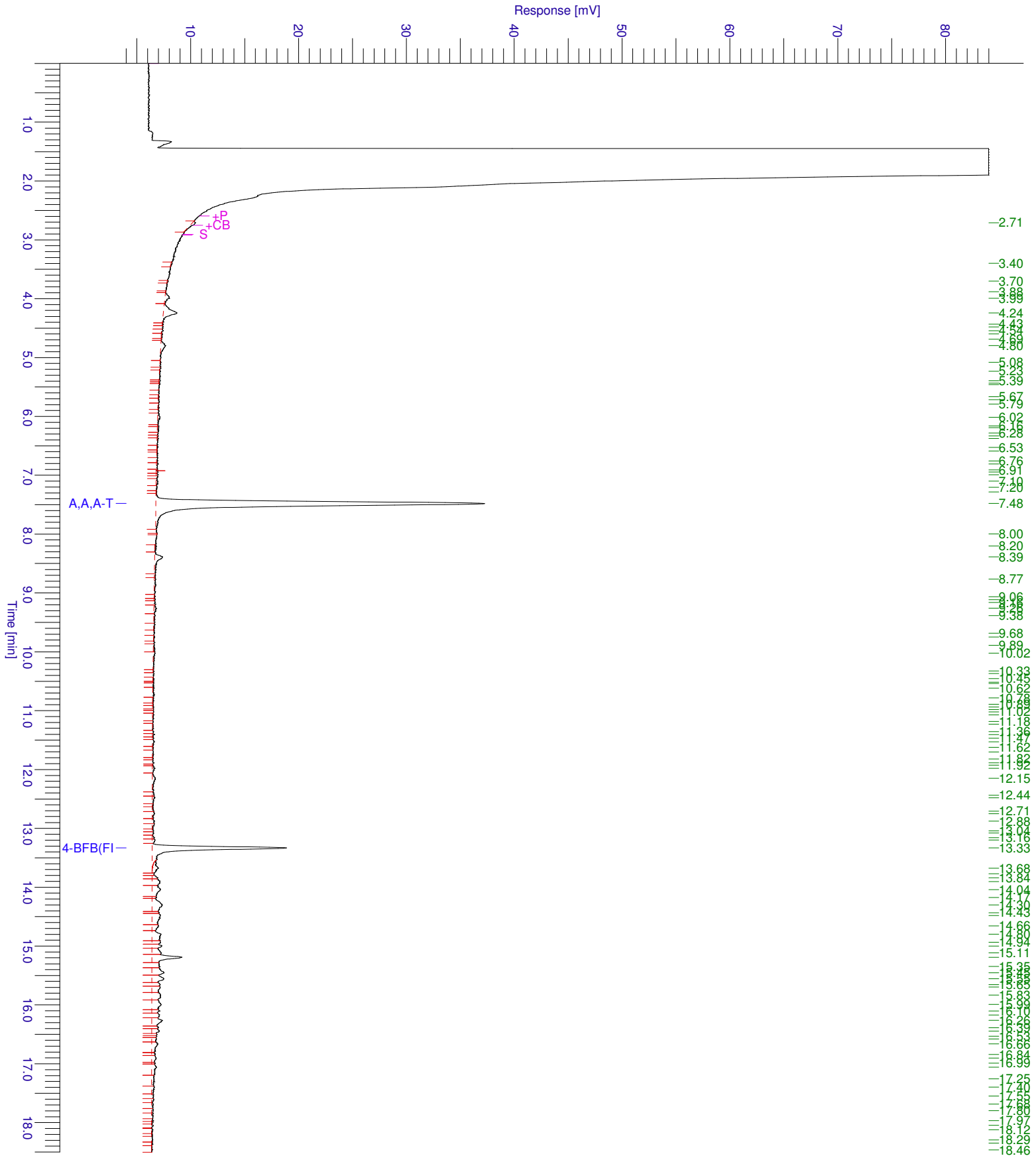
FB-20@15 (DF20)



Chromatogram

Sample Name : 1401032-12S Sample #: 016 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\HP BTEX DATA\012014B016.raw
Date : 1/27/2014 2:00:14 PM
Method : 010714hpgascal10.mth Time of Injection: 1/20/2014 8:50:15 PM
Start Time : 0.00 min End Time : 18.50 min Low Point : 4.00 mV High Point : 84.00 mV
Plot Offset: 4.00 mV Plot Scale: 80.0 mV

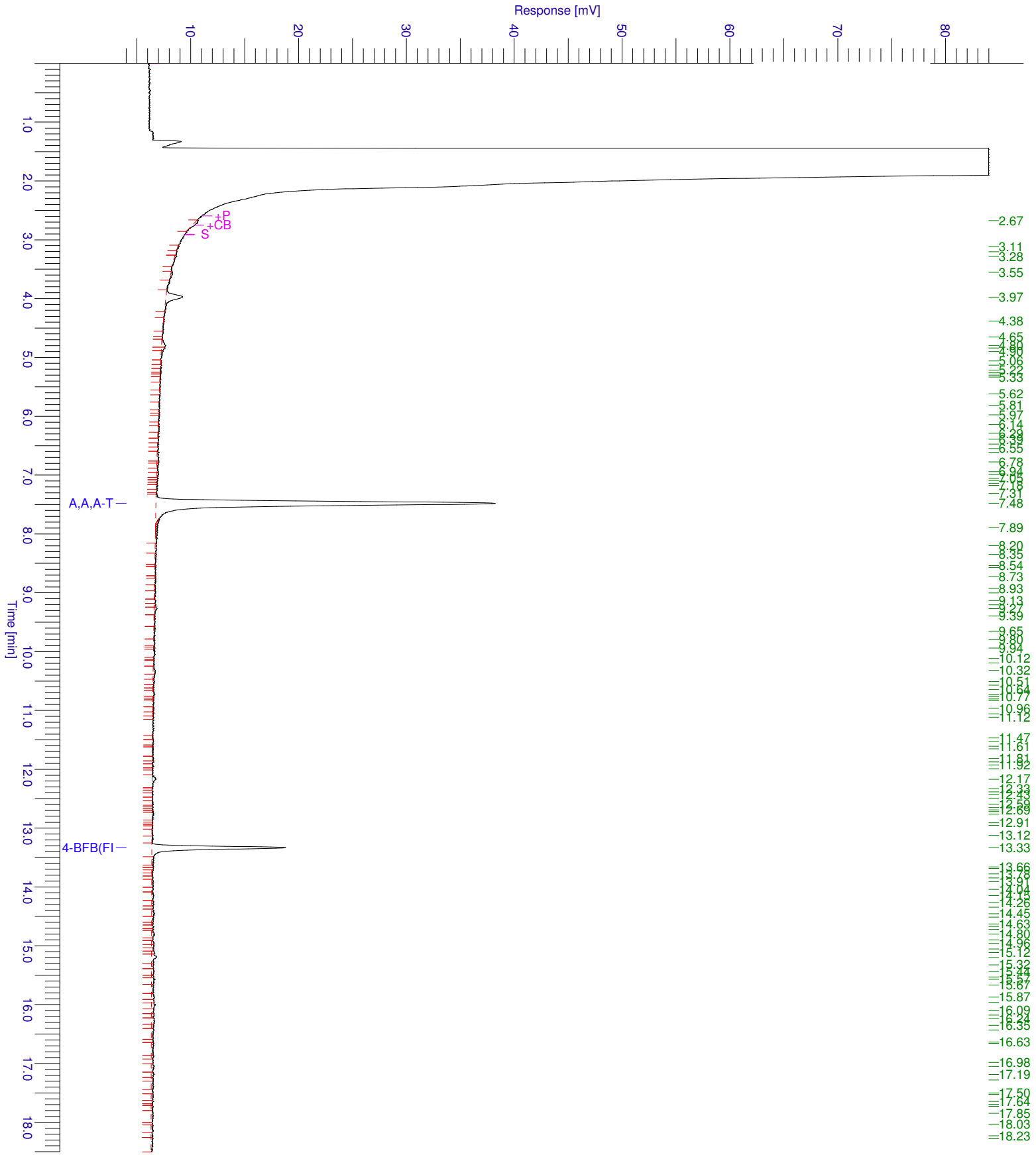
FB-20@20



Chromatogram

Sample Name : 1401032-13S Sample #: 017 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\HP BTEX DATA\012014B017.raw
Date : 1/27/2014 2:00:43 PM
Method : 010714hpgascal10.mth Time of Injection: 1/20/2014 9:14:52 PM
Start Time : 0.00 min End Time : 18.50 min Low Point : 4.00 mV High Point : 84.00 mV
Plot Offset: 4.00 mV Plot Scale: 80.0 mV

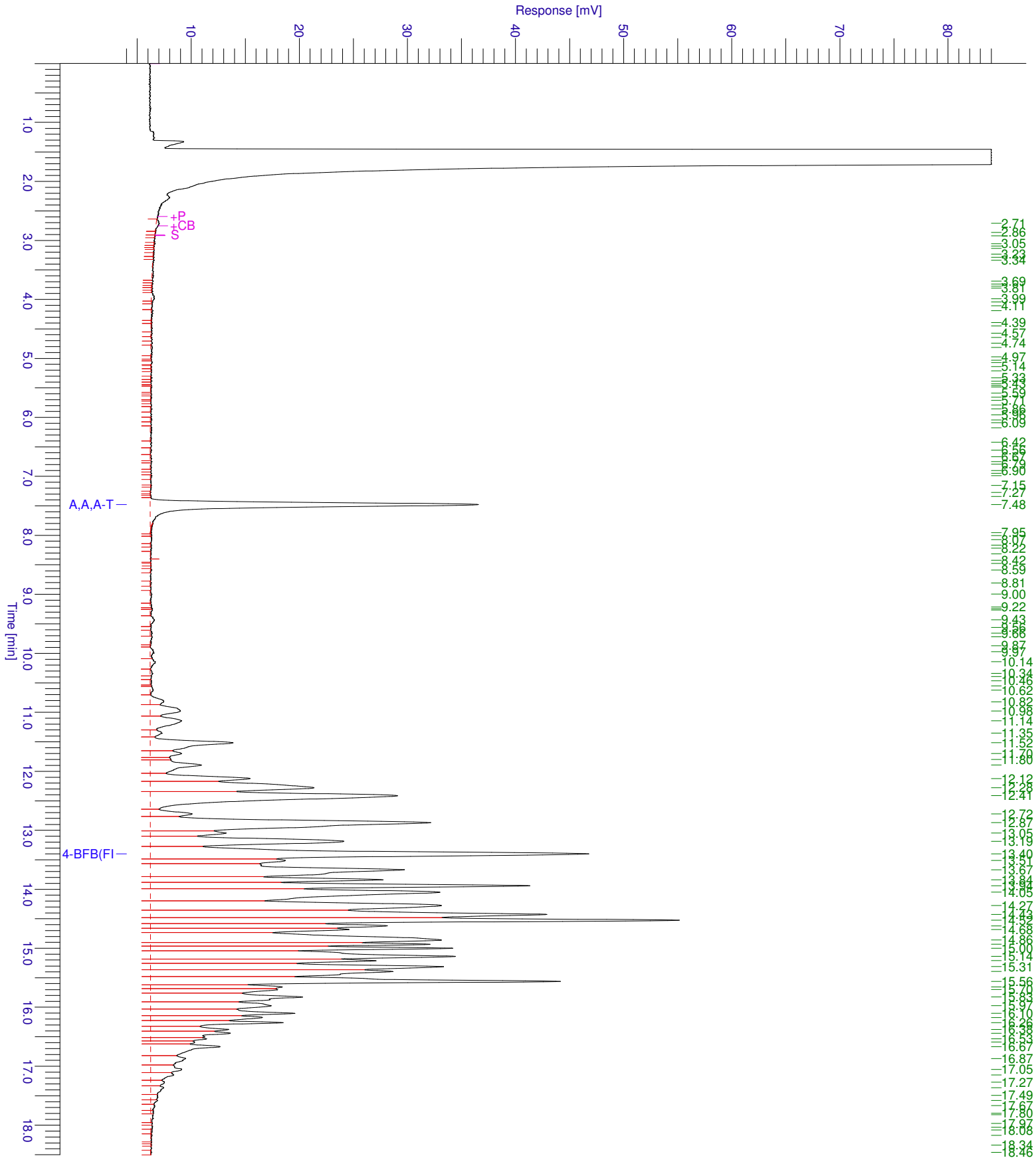
FB-21@10



Chromatogram

Sample Name : 1401032-14S DF50 Sample #: 018
FileName : C:\PenExe\TcWS\Ver6.3.1\HP BTEX DATA\012014B018.raw
Date : 1/27/2014 2:01:10 PM
Method : 010714hpgascal10.mth Time of Injection: 1/20/2014 9:39:24 PM
Start Time : 0.00 min End Time : 18.50 min Low Point : 4.00 mV High Point : 84.00 mV
Plot Offset: 4.00 mV Plot Scale: 80.0 mV

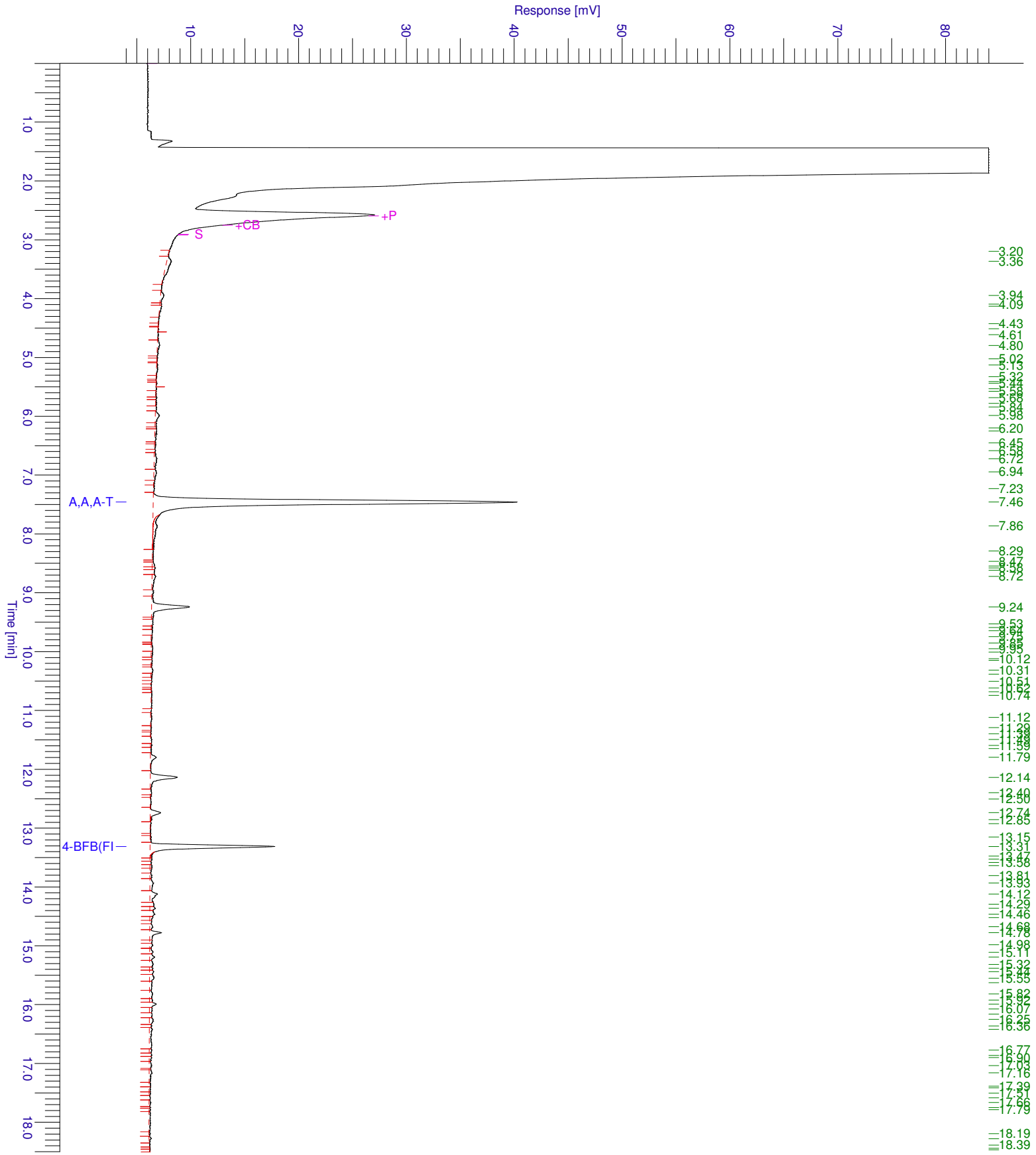
FB-21@15 (DF50)



Chromatogram

Sample Name : 1401032-15S Sample #: 005 Page 1 of 1
FileName : C:\PenExe\TcWS\Ver6.3.1\HP BTEX DATA\012314B005.raw
Date : 1/27/2014 2:01:40 PM
Method : 010714hpgascal10.mth Time of Injection: 1/23/2014 2:12:35 PM
Start Time : 0.00 min End Time : 18.50 min Low Point : 4.00 mV High Point : 84.00 mV
Plot Offset: 4.00 mV Plot Scale: 80.0 mV

FB-21@20



CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate #2480

2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A08030 Lab Reference Number: 1401032 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401032-01 Client Sample ID: FB-15@10 (4A08030-03)	Sampled: 01-06-14 Received: 01-10-14 Extracted: 01-15-14 Analyzed: 01-15-14 Reported: 01-17-14

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	**0.0085**
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.010	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	ND
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	**0.046**	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	ND
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	104%	Toluene-d8	96.4%
1,2-Dichloroethane-d4	103%	p-Bromofluorobenzene	107%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate #2480

2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A08030 Lab Reference Number: 1401032 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401032-02 Client Sample ID: FB-15@15 (4A08030-06)	Sampled: 01-06-14 Received: 01-10-14 Extracted: 01-15-14 Analyzed: 01-15-14 Reported: 01-17-14

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	**0.0084**
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.010	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	ND
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	ND	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	ND
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	98.9%	Toluene-d8	91.3%
1,2-Dichloroethane-d4	101%	p-Bromofluorobenzene	NA

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

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2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A08030 Lab Reference Number: 1401032 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401032-03 Client Sample ID: FB-15@17.5 (4A08030-07)	Sampled: 01-06-14 Received: 01-10-14 Extracted: 01-15-14 Analyzed: 01-15-14 Reported: 01-17-14

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.16	0.80	ND	Diethyl ether	0.020	0.10	ND
Acrylonitrile	0.16	0.80	ND	Ethylbenzene	0.020	0.10	ND
Allyl Chloride	0.020	0.10	ND	Ethyl methacrylate	0.020	0.10	ND
Benzene	0.020	0.10	ND	Hexachloro 1,3-butadiene	0.020	0.10	ND
Bromobenzene	0.020	0.10	ND	Hexachloroethane	0.020	0.10	ND
Bromochloromethane	0.020	0.10	ND	2-Hexanone (Methyl butyl ketone)	0.020	0.10	ND
Bromodichloromethane	0.020	0.10	ND	Iodomethane (Methyl iodide)	0.020	0.10	ND
Bromoform	0.020	0.10	ND	Isopropylbenzene	0.020	0.10	ND
Bromomethane	0.020	0.10	ND	p-Isopropyltoluene	0.020	0.10	ND
2-Butanone (MEK)	0.16	0.80	ND	Methacrylonitrile	0.020	0.10	ND
n-Butylbenzene	0.020	0.10	ND	Methyl acrylate	0.020	0.10	ND
sec-Butylbenzene	0.020	0.10	ND	Methylene chloride	0.040	0.20	ND
tert-Butylbenzene	0.020	0.10	ND	Methyl methacrylate	0.020	0.10	ND
Carbon disulfide	0.020	0.10	ND	4-Methyl 2-pentanone (MIBK)	0.020	0.10	ND
Carbon tetrachloride	0.020	0.10	ND	Napthalene	0.010	0.05	ND
Chlorobenzene	0.020	0.10	ND	Nitrobenzene	0.040	0.20	ND
1-Chlorobutane	0.020	0.10	ND	Pentachloroethane	0.020	0.10	ND
Chloroethane	0.020	0.10	ND	Proprionitrile	0.16	0.80	ND
Chloroform	0.020	0.10	ND	n-Propylbenzene	0.020	0.10	ND
Chloromethane	0.020	0.10	ND	Styrene	0.020	0.10	ND
2-Chlorotoluene	0.020	0.10	ND	1,1,1,2-Tetrachloroethane	0.020	0.10	ND
4-Chlorotoluene	0.020	0.10	ND	1,1,2,2,-Tetrachlorethane	0.020	0.10	ND
Dibromochloromethane	0.020	0.10	ND	Tetrachloroethene (PCE)	0.020	0.10	ND
1,2-Dibromo 3-chloropropane (DBCP)	0.16	0.80	ND	Tetrahydrofuran (THF)	0.16	0.80	ND
1,2-Dibromoethane (EDB)	0.020	0.10	ND	Toluene	0.020	0.10	ND
Dibromomethane	0.020	0.10	ND	1,2,3-Trichlorobenzene	0.020	0.10	ND
1,2-Dichlorobenezene	0.020	0.10	ND	1,2,4-Trichlorobenzene	0.020	0.10	ND
1,3-Dichlorobenzene	0.020	0.10	ND	1,1,1-Trichloroethane	0.020	0.10	ND
1,4-Dichlorobenzene	0.020	0.10	ND	1,1,2-Trichloroethane	0.020	0.10	ND
trans-1,4-Dichloro-2-butene	0.020	0.10	ND	Trichloroethene (TCE)	0.020	0.10	ND
Dichlorodifluoromethane	0.020	0.10	ND	Trichlorofluoromethane	0.020	0.10	ND
1,1-Dichloroethane	0.020	0.10	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.020	0.10	ND
1,2-Dichloroethane	0.020	0.10	ND	1,2,3-Trichloropropane	0.020	0.10	ND
1,1-Dichloroethene	0.020	0.10	ND	1,2,4-Trimethylbenzene	0.020	0.10	ND
cis-1,2-Dichloroethene	0.020	0.10	**0.14**	1,3,5-Trimethylbenzene	0.020	0.10	ND
trans-1,2-Dichloroethene	0.020	0.10	ND	Vinyl Chloride	0.020	0.10	ND
1,2-Dichloropropane	0.020	0.10	ND	Xylenes, total	0.020	0.10	ND
1,3-Dichloropropane	0.020	0.10	ND	**Oxygenates**			
2,2-Dichloropropane	0.020	0.10	ND	tert-Butyl Alcohol (tBA)	0.40	2.0	ND
1,1-Dichloropropene	0.020	0.10	ND	Methyl tert-Butyl Ether (MTBE)	0.020	0.10	ND
1,1-Dichloro-2-propanone	0.020	0.10	ND	Di-Isopropyl Ether (DIPE)	0.020	0.10	ND
cis-1,3-Dichloropropene	0.020	0.10	ND	Ethyl tert-Butyl Ether (EtBE)	0.020	0.10	ND
trans-1,3-Dichloropropene	0.020	0.10	ND	tert-Amyl Methyl Ether (tAME)	0.020	0.10	ND

Surrogate Recoveries

Dibromofluoromethane	99.7%	Toluene-d8	101%
1,2-Dichloroethane-d4	109%	p-Bromofluorobenzene	140%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A08030 Lab Reference Number: 1401032 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401032-04 Client Sample ID: FB-15@20 (4A08030-08)	Sampled: 01-06-14 Received: 01-10-14 Extracted: 01-15-14 Analyzed: 01-15-14 Reported: 01-17-14

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	**0.030**
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.010	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	ND
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.020	0.020	**0.66**	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	ND
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	99.9%	Toluene-d8	98.0%
1,2-Dichloroethane-d4	98.2%	p-Bromofluorobenzene	146%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A08030 Lab Reference Number: 1401032 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401032-06 Client Sample ID: FB-19@15 (4A08030-13)	Sampled: 01-06-14 Received: 01-10-14 Extracted: 01-15-14 Analyzed: 01-15-14 Reported: 01-17-14

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	ND
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.010	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	ND
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	**0.014**	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	ND
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	98.9%	Toluene-d8	94.9%
1,2-Dichloroethane-d4	92.9%	p-Bromofluorobenzene	117%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A08030 Lab Reference Number: 1401032 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401032-07 Client Sample ID: FB-19@17.5 (4A08030-14)	Sampled: 01-06-14 Received: 01-10-14 Extracted: 01-15-14 Analyzed: 01-15-14 Reported: 01-17-14

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.16	0.80	ND	Diethyl ether	0.020	0.10	ND
Acrylonitrile	0.16	0.80	ND	Ethylbenzene	0.020	0.10	ND
Allyl Chloride	0.020	0.10	ND	Ethyl methacrylate	0.020	0.10	ND
Benzene	0.020	0.10	ND	Hexachloro 1,3-butadiene	0.020	0.10	ND
Bromobenzene	0.020	0.10	ND	Hexachloroethane	0.020	0.10	ND
Bromochloromethane	0.020	0.10	ND	2-Hexanone (Methyl butyl ketone)	0.020	0.10	ND
Bromodichloromethane	0.020	0.10	ND	Iodomethane (Methyl iodide)	0.020	0.10	ND
Bromoform	0.020	0.10	ND	Isopropylbenzene	0.020	0.10	ND
Bromomethane	0.020	0.10	ND	p-Isopropyltoluene	0.020	0.10	ND
2-Butanone (MEK)	0.16	0.80	ND	Methacrylonitrile	0.020	0.10	ND
n-Butylbenzene	0.020	0.10	ND	Methyl acrylate	0.020	0.10	ND
sec-Butylbenzene	0.020	0.10	ND	Methylene chloride	0.040	0.20	ND
tert-Butylbenzene	0.020	0.10	ND	Methyl methacrylate	0.020	0.10	ND
Carbon disulfide	0.020	0.10	ND	4-Methyl 2-pentanone (MIBK)	0.020	0.10	ND
Carbon tetrachloride	0.020	0.10	ND	Napthalene	0.010	0.05	ND
Chlorobenzene	0.020	0.10	ND	Nitrobenzene	0.040	0.20	ND
1-Chlorobutane	0.020	0.10	ND	Pentachloroethane	0.020	0.10	ND
Chloroethane	0.020	0.10	ND	Proprionitrile	0.16	0.80	ND
Chloroform	0.020	0.10	ND	n-Propylbenzene	0.020	0.10	ND
Chloromethane	0.020	0.10	ND	Styrene	0.020	0.10	ND
2-Chlorotoluene	0.020	0.10	ND	1,1,1,2-Tetrachloroethane	0.020	0.10	ND
4-Chlorotoluene	0.020	0.10	ND	1,1,2,2,-Tetrachlorethane	0.020	0.10	ND
Dibromochloromethane	0.020	0.10	ND	Tetrachloroethene (PCE)	0.020	0.10	ND
1,2-Dibromo 3-chloropropane (DBCP)	0.16	0.80	ND	Tetrahydrofuran (THF)	0.16	0.80	ND
1,2-Dibromoethane (EDB)	0.020	0.10	ND	Toluene	0.020	0.10	ND
Dibromomethane	0.020	0.10	ND	1,2,3-Trichlorobenzene	0.020	0.10	ND
1,2-Dichlorobenezene	0.020	0.10	ND	1,2,4-Trichlorobenzene	0.020	0.10	ND
1,3-Dichlorobenzene	0.020	0.10	ND	1,1,1-Trichloroethane	0.020	0.10	ND
1,4-Dichlorobenzene	0.020	0.10	ND	1,1,2-Trichloroethane	0.020	0.10	ND
trans-1,4-Dichloro-2-butene	0.020	0.10	ND	Trichloroethene (TCE)	0.020	0.10	ND
Dichlorodifluoromethane	0.020	0.10	ND	Trichlorofluoromethane	0.020	0.10	ND
1,1-Dichloroethane	0.020	0.10	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.020	0.10	ND
1,2-Dichloroethane	0.020	0.10	ND	1,2,3-Trichloropropane	0.020	0.10	ND
1,1-Dichloroethene	0.020	0.10	ND	1,2,4-Trimethylbenzene	0.020	0.10	ND
cis-1,2-Dichloroethene	0.020	0.10	ND	1,3,5-Trimethylbenzene	0.020	0.10	ND
trans-1,2-Dichloroethene	0.020	0.10	ND	Vinyl Chloride	0.020	0.10	ND
1,2-Dichloropropane	0.020	0.10	ND	Xylenes, total	0.020	0.10	ND
1,3-Dichloropropane	0.020	0.10	ND	**Oxygenates**			
2,2-Dichloropropane	0.020	0.10	ND	tert-Butyl Alcohol (tBA)	0.40	2.0	ND
1,1-Dichloropropene	0.020	0.10	ND	Methyl tert-Butyl Ether (MTBE)	0.020	0.10	ND
1,1-Dichloro-2-propanone	0.020	0.10	ND	Di-Isopropyl Ether (DIPE)	0.020	0.10	ND
cis-1,3-Dichloropropene	0.020	0.10	ND	Ethyl tert-Butyl Ether (EtBE)	0.020	0.10	ND
trans-1,3-Dichloropropene	0.020	0.10	ND	tert-Amyl Methyl Ether (tAME)	0.020	0.10	ND

Surrogate Recoveries

Dibromofluoromethane	99.1%	Toluene-d8	99.2%
1,2-Dichloroethane-d4	109%	p-Bromofluorobenzene	129%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A08030 Lab Reference Number: 1401032 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401032-08 Client Sample ID: FB-19@20 (4A08030-15)	Sampled: 01-06-14 Received: 01-10-14 Extracted: 01-15-14 Analyzed: 01-15-14 Reported: 01-17-14

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	ND
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.010	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	ND
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	**0.027**	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	ND
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	95.7%	Toluene-d8	95.8%
1,2-Dichloroethane-d4	94.6%	p-Bromofluorobenzene	124%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A08030 Lab Reference Number: 1401032 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401032-10 Client Sample ID: FB-20@10 (4A08030-19)	Sampled: 01-06-14 Received: 01-10-14 Extracted: 01-15-14 Analyzed: 01-15-14 Reported: 01-17-14

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	ND
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.010	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	ND
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	ND	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	ND
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	99.4%	Toluene-d8	95.8%
1,2-Dichloroethane-d4	98.6%	p-Bromofluorobenzene	115%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Phone: (209) 384-2930
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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A08030 Lab Reference Number: 1401032 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401032-11 Client Sample ID: FB-20@15 (4A08030-20)	Sampled: 01-06-14 Received: 01-10-14 Extracted: 01-15-14 Analyzed: 01-15-14 Reported: 01-17-14

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	ND
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.010	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	ND
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	ND	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	ND
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	98.5%	Toluene-d8	98.2%
1,2-Dichloroethane-d4	101%	p-Bromofluorobenzene	NA

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Environmental Testing Services
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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A08030 Lab Reference Number: 1401032 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401032-12 Client Sample ID: FB-20@20 (4A08030-22)	Sampled: 01-06-14 Received: 01-10-14 Extracted: 01-15-14 Analyzed: 01-15-14 Reported: 01-17-14

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	ND
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.010	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	ND
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	**0.035**	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	ND
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	102%	Toluene-d8	98.3%
1,2-Dichloroethane-d4	103%	p-Bromofluorobenzene	127%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A08030 Lab Reference Number: 1401032 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401032-13 Client Sample ID: FB-21@10 (4A08030-27)	Sampled: 01-06-14 Received: 01-10-14 Extracted: 01-15-14 Analyzed: 01-15-14 Reported: 01-17-14

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	ND
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.010	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	ND
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	ND	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	ND
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	101%	Toluene-d8	98.3%
1,2-Dichloroethane-d4	101%	p-Bromofluorobenzene	112%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A08030 Lab Reference Number: 1401032 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401032-14 Client Sample ID: FB-21@15 (4A08030-28)	Sampled: 01-06-14 Received: 01-10-14 Extracted: 01-15-14 Analyzed: 01-15-14 Reported: 01-17-14

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.16	0.80	ND	Diethyl ether	0.020	0.10	ND
Acrylonitrile	0.16	0.80	ND	Ethylbenzene	0.020	0.10	ND
Allyl Chloride	0.020	0.10	ND	Ethyl methacrylate	0.020	0.10	ND
Benzene	0.020	0.10	ND	Hexachloro 1,3-butadiene	0.020	0.10	ND
Bromobenzene	0.020	0.10	ND	Hexachloroethane	0.020	0.10	ND
Bromochloromethane	0.020	0.10	ND	2-Hexanone (Methyl butyl ketone)	0.020	0.10	ND
Bromodichloromethane	0.020	0.10	ND	Iodomethane (Methyl iodide)	0.020	0.10	ND
Bromoform	0.020	0.10	ND	Isopropylbenzene	0.020	0.10	ND
Bromomethane	0.020	0.10	ND	p-Isopropyltoluene	0.020	0.10	ND
2-Butanone (MEK)	0.16	0.80	ND	Methacrylonitrile	0.020	0.10	ND
n-Butylbenzene	0.020	0.10	ND	Methyl acrylate	0.020	0.10	ND
sec-Butylbenzene	0.020	0.10	ND	Methylene chloride	0.040	0.20	ND
tert-Butylbenzene	0.020	0.10	ND	Methyl methacrylate	0.020	0.10	ND
Carbon disulfide	0.020	0.10	ND	4-Methyl 2-pentanone (MIBK)	0.020	0.10	ND
Carbon tetrachloride	0.020	0.10	ND	Napthalene	0.010	0.05	ND
Chlorobenzene	0.020	0.10	ND	Nitrobenzene	0.040	0.20	ND
1-Chlorobutane	0.020	0.10	ND	Pentachloroethane	0.020	0.10	ND
Chloroethane	0.020	0.10	ND	Proprionitrile	0.16	0.80	ND
Chloroform	0.020	0.10	ND	n-Propylbenzene	0.020	0.10	ND
Chloromethane	0.020	0.10	ND	Styrene	0.020	0.10	ND
2-Chlorotoluene	0.020	0.10	ND	1,1,1,2-Tetrachloroethane	0.020	0.10	ND
4-Chlorotoluene	0.020	0.10	ND	1,1,2,2,-Tetrachlorethane	0.020	0.10	ND
Dibromochloromethane	0.020	0.10	ND	Tetrachloroethene (PCE)	0.020	0.10	ND
1,2-Dibromo 3-chloropropane (DBCP)	0.16	0.80	ND	Tetrahydrofuran (THF)	0.16	0.80	ND
1,2-Dibromoethane (EDB)	0.020	0.10	ND	Toluene	0.020	0.10	ND
Dibromomethane	0.020	0.10	ND	1,2,3-Trichlorobenzene	0.020	0.10	ND
1,2-Dichlorobenezene	0.020	0.10	ND	1,2,4-Trichlorobenzene	0.020	0.10	ND
1,3-Dichlorobenzene	0.020	0.10	ND	1,1,1-Trichloroethane	0.020	0.10	ND
1,4-Dichlorobenzene	0.020	0.10	ND	1,1,2-Trichloroethane	0.020	0.10	ND
trans-1,4-Dichloro-2-butene	0.020	0.10	ND	Trichloroethene (TCE)	0.020	0.10	ND
Dichlorodifluoromethane	0.020	0.10	ND	Trichlorofluoromethane	0.020	0.10	ND
1,1-Dichloroethane	0.020	0.10	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.020	0.10	ND
1,2-Dichloroethane	0.020	0.10	ND	1,2,3-Trichloropropane	0.020	0.10	ND
1,1-Dichloroethene	0.020	0.10	ND	1,2,4-Trimethylbenzene	0.020	0.10	**0.30**
cis-1,2-Dichloroethene	0.020	0.10	ND	1,3,5-Trimethylbenzene	0.020	0.10	ND
trans-1,2-Dichloroethene	0.020	0.10	ND	Vinyl Chloride	0.020	0.10	ND
1,2-Dichloropropane	0.020	0.10	ND	Xylenes, total	0.020	0.10	ND
1,3-Dichloropropane	0.020	0.10	ND	**Oxygenates**			
2,2-Dichloropropane	0.020	0.10	ND	tert-Butyl Alcohol (tBA)	0.40	2.0	ND
1,1-Dichloropropene	0.020	0.10	ND	Methyl tert-Butyl Ether (MTBE)	0.020	0.10	ND
1,1-Dichloro-2-propanone	0.020	0.10	ND	Di-Isopropyl Ether (DIPE)	0.020	0.10	ND
cis-1,3-Dichloropropene	0.020	0.10	ND	Ethyl tert-Butyl Ether (EtBE)	0.020	0.10	ND
trans-1,3-Dichloropropene	0.020	0.10	ND	tert-Amyl Methyl Ether (tAME)	0.020	0.10	ND

Surrogate Recoveries

Dibromofluoromethane	97.6%	Toluene-d8	99.2%
1,2-Dichloroethane-d4	105%	p-Bromofluorobenzene	110%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc. 2527 Fresno St. Fresno, CA 93721 Attn: Julio Morales	Client Project ID: 4A08030 Lab Reference Number: 1401032 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8260 Lab Number: 1401032-15 Client Sample ID: FB-21@20 (4A08030-30)	Sampled: 01-06-14 Received: 01-10-14 Extracted: 01-15-14 Analyzed: 01-15-14 Reported: 01-17-14

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)	ANALYTE	Reporting Limit (mg/Kg)	PQL (mg/Kg)	SAMPLE RESULT (mg/Kg)
Acetone	0.040	0.040	ND	Diethyl ether	0.0050	0.0050	ND
Acrylonitrile	0.040	0.040	ND	Ethylbenzene	0.0050	0.0050	ND
Allyl Chloride	0.0050	0.0050	ND	Ethyl methacrylate	0.0050	0.0050	ND
Benzene	0.0050	0.0050	ND	Hexachloro 1,3-butadiene	0.0050	0.0050	ND
Bromobenzene	0.0050	0.0050	ND	Hexachloroethane	0.0050	0.0050	ND
Bromochloromethane	0.0050	0.0050	ND	2-Hexanone (Methyl butyl ketone)	0.0050	0.0050	ND
Bromodichloromethane	0.0050	0.0050	ND	Iodomethane (Methyl iodide)	0.0050	0.0050	ND
Bromoform	0.0050	0.0050	ND	Isopropylbenzene	0.0050	0.0050	ND
Bromomethane	0.0050	0.0050	ND	p-Isopropyltoluene	0.0050	0.0050	ND
2-Butanone (MEK)	0.040	0.040	ND	Methacrylonitrile	0.0050	0.0050	ND
n-Butylbenzene	0.0050	0.0050	ND	Methyl acrylate	0.0050	0.0050	ND
sec-Butylbenzene	0.0050	0.0050	ND	Methylene chloride	0.010	0.010	ND
tert-Butylbenzene	0.0050	0.0050	ND	Methyl methacrylate	0.0050	0.0050	ND
Carbon disulfide	0.0050	0.0050	ND	4-Methyl 2-pentanone (MIBK)	0.0050	0.0050	ND
Carbon tetrachloride	0.0050	0.0050	ND	Napthalene	0.010	0.010	ND
Chlorobenzene	0.0050	0.0050	ND	Nitrobenzene	0.040	0.040	ND
1-Chlorobutane	0.0050	0.0050	ND	Pentachloroethane	0.0050	0.0050	ND
Chloroethane	0.0050	0.0050	ND	Proprionitrile	0.040	0.040	ND
Chloroform	0.0050	0.0050	ND	n-Propylbenzene	0.0050	0.0050	ND
Chloromethane	0.0050	0.0050	ND	Styrene	0.0050	0.0050	ND
2-Chlorotoluene	0.0050	0.0050	ND	1,1,1,2-Tetrachloroethane	0.0050	0.0050	ND
4-Chlorotoluene	0.0050	0.0050	ND	1,1,2,2,-Tetrachlorethane	0.0050	0.0050	ND
Dibromochloromethane	0.0050	0.0050	ND	Tetrachloroethene (PCE)	0.0050	0.0050	**0.012**
1,2-Dibromo 3-chloropropane (DBCP)	0.040	0.040	ND	Tetrahydrofuran (THF)	0.040	0.040	ND
1,2-Dibromoethane (EDB)	0.0050	0.0050	ND	Toluene	0.0050	0.010	ND
Dibromomethane	0.0050	0.0050	ND	1,2,3-Trichlorobenzene	0.0050	0.0050	ND
1,2-Dichlorobenezene	0.0050	0.0050	ND	1,2,4-Trichlorobenzene	0.0050	0.0050	ND
1,3-Dichlorobenzene	0.0050	0.0050	ND	1,1,1-Trichloroethane	0.0050	0.0050	ND
1,4-Dichlorobenzene	0.0050	0.0050	ND	1,1,2-Trichloroethane	0.0050	0.0050	ND
trans-1,4-Dichloro-2-butene	0.0050	0.0050	ND	Trichloroethene (TCE)	0.0050	0.0050	ND
Dichlorodifluoromethane	0.0050	0.0050	ND	Trichlorofluoromethane	0.0050	0.0050	ND
1,1-Dichloroethane	0.0050	0.0050	ND	1,1,2-Trichloro 1,2,2-trifluoroethane	0.0050	0.0050	ND
1,2-Dichloroethane	0.0050	0.0050	ND	1,2,3-Trichloropropane	0.0050	0.0050	ND
1,1-Dichloroethene	0.0050	0.0050	ND	1,2,4-Trimethylbenzene	0.0050	0.0050	ND
cis-1,2-Dichloroethene	0.0050	0.0050	**0.013**	1,3,5-Trimethylbenzene	0.0050	0.0050	ND
trans-1,2-Dichloroethene	0.0050	0.0050	ND	Vinyl Chloride	0.0050	0.0050	ND
1,2-Dichloropropane	0.0050	0.0050	ND	Xylenes, total	0.0050	0.0050	ND
1,3-Dichloropropane	0.0050	0.0050	ND	**Oxygenates**			
2,2-Dichloropropane	0.0050	0.0050	ND	tert-Butyl Alcohol (tBA)	0.10	0.10	ND
1,1-Dichloropropene	0.0050	0.0050	ND	Methyl tert-Butyl Ether (MTBE)	0.0050	0.0050	ND
1,1-Dichloro-2-propanone	0.0050	0.0050	ND	Di-Isopropyl Ether (DIPE)	0.0050	0.0050	ND
cis-1,3-Dichloropropene	0.0050	0.0050	ND	Ethyl tert-Butyl Ether (EtBE)	0.0050	0.0050	ND
trans-1,3-Dichloropropene	0.0050	0.0050	ND	tert-Amyl Methyl Ether (tAME)	0.0050	0.0050	ND

Surrogate Recoveries

Dibromofluoromethane	98.8%	Toluene-d8	95.7%
1,2-Dichloroethane-d4	95.4%	p-Bromofluorobenzene	113%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected above the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram (ppm)

APPROVED BY: _____
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Moore Twining Associates, Inc.	Client Project ID: 4A08030	Method: EPA 5030/8260B
2527 Fresno St.	Lab Reference Number: 1401032	Instrument ID: VARIAN MS
Fresno, CA 93721	Sample Description: Soil	Prepared: 01-15-14
Attn: Julio Morales	Sample Prep/Analysis Method: EPA 5030/8260	Analyzed: 01-15-14
		Reported: 01-17-14

QUALITY CONTROL DATA REPORT

SPIKE ID: VSMS-1154 DP

	Reporting Limit mg/Kg	BLANK Result mg/Kg	Spiking Level mg/Kg	Control Spike %R	%R Limits
COMPOUNDS					
t-Butyl Alcohol (t-BA)	0.10	ND	3.0	99.3%	45.9 - 164.2
Methyl t-butyl ether (MTBE)	0.0050	ND	0.10	109%	52.7 - 143.2
Diisopropyl ether (DIPE)	0.0050	ND	0.10	103%	50.0 - 152.9
Ethyl t-Butyl ether (ETBE)	0.0050	ND	0.10	107%	42.0 - 155.8
t-Amyl methyl ether (TAME)	0.0050	ND	0.10	102%	39.5 - 154.3
1,2-Dichloroethane (1,2-DCA)	0.0050	ND	0.10	91.6%	49.6 - 166.5
Ethylene dibromide (EDB)	0.0050	ND	0.10	103%	68.2 - 134.0
1,1-Dichloroethene (1,1,DCE)	0.0050	ND	0.10	69.2%	50.9 - 160.7
Benzene	0.0050	ND	0.10	93.2%	66.6 - 144.6
Trichloroethene (TCE)	0.0050	ND	0.10	94.8%	65.8 - 150.0
Toluene	0.0050	ND	0.10	97.2%	72.7 - 138.3
Chlorobenzene	0.0050	ND	0.10	99.2%	66.5 - 142.2
Surrogate:					
Dibromofluoromethane	0.010	101%	0.40	98.9%	59.1 - 167.9
1,2-Dichloroethane-d4	0.010	96.4%	0.40	103%	65.2 - 148.6
Toluene-d8	0.010	102%	0.40	104%	74.3 - 141.2
4-Bromofluorobenzene	0.010	121%	0.40	109%	79.7 - 128.9

	Spiking Level mg/Kg	MATRIX SPIKE %R	MATRIX SPIKE DUP %R	%R Limits	%RPD
COMPOUNDS					
t-Butyl Alcohol (t-BA)	3.0	130%	113%	35.7 - 169.9	14.2%
Methyl t-butyl ether (MTBE)	0.10	119%	106%	46.6 - 144.2	11.3%
Diisopropyl ether (DIPE)	0.10	108%	103%	56.5 - 125.2	4.01%
Ethyl t-Butyl ether (ETBE)	0.10	115%	106%	57.1 - 127.9	7.94%
t-Amyl methyl ether (TAME)	0.10	103%	102%	54.9 - 117.2	1.56%
1,2-Dichloroethane (1,2-DCA)	0.10	106%	103%	48.1 - 144.3	2.69%
Ethylene dibromide (EDB)	0.10	120%	113%	53.3 - 132.8	5.85%
1,1-Dichloroethene (1,1,DCE)	0.10	70.4%	75.2%	22.0 - 158.9	6.59%
Benzene	0.10	89.2%	92.0%	61.1 - 124.9	3.01%
Trichloroethene (TCE)	0.10	101%	112%	52.7 - 142.3	10.9%
Toluene	0.10	101%	97.6%	56.2 - 122.3	3.10%
Chlorobenzene	0.10	105%	105%	53.8 - 132.7	0.381%
Surrogate:					
Dibromofluoromethane	0.40	99.6%	93.8%	52.0 - 154.4	6.00%
1,2-Dichloroethane-d4	0.40	106%	104%	55.7 - 147.1	1.43%
Toluene-d8	0.40	99.8%	99.1%	61.0 - 134.2	0.704%
4-Bromofluorobenzene	0.40	110%	107%	47.9 - 144.0	2.95%

APPROVED BY: _____

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

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Moore Twining Associates, Inc.	Client Project ID: 4A08030	Method: EPA 5030/8260B
2527 Fresno St.	Lab Reference Number: 1401032 (03, 07, 14)	Instrument ID: VARIAN MS
Fresno, CA 93721	Sample Description: Soil	Prepared: 01-15-14
Attn: Julio Morales	Sample Prep/Analysis Method: EPA 5030/8260	Analyzed: 01-15-14
		Reported: 01-17-14

QUALITY CONTROL DATA REPORT

SPIKE ID: VSMS-1154 ME

	Reporting Limit mg/Kg	BLANK Result mg/Kg	Spiking Level mg/Kg	Control Spike %R	%R Limits
COMPOUNDS					
t-Butyl Alcohol (t-BA)	0.80	ND	3.0	NA*	70-130
Methyl t-butyl ether (MTBE)	0.020	ND	0.10	NA*	70-130
Diisopropyl ether (DIPE)	0.020	ND	0.10	NA*	70-130
Ethyl t-Butyl ether (ETBE)	0.020	ND	0.10	NA*	70-130
t-Amyl methyl ether (TAME)	0.020	ND	0.10	NA*	70-130
1,2-Dichloroethane (1,2-DCA)	0.020	ND	0.10	NA*	70-130
Ethylene dibromide (EDB)	0.020	ND	0.10	NA*	70-130
1,1-Dichloroethene (1,1,DCE)	0.020	ND	0.10	NA*	70-130
Benzene	0.020	ND	0.10	NA*	70-130
Trichloroethene (TCE)	0.020	ND	0.10	NA*	70-130
Toluene	0.020	ND	0.10	NA*	70-130
Chlorobenzene	0.020	ND	0.10	NA*	70-130
Surrogate:					
Dibromofluoromethane	0.40	123%	0.40	NA*	70-130
1,2-Dichloroethane-d4	0.40	126%	0.40	NA*	70-130
Toluene-d8	0.40	135%	0.40	NA*	70-130
4-Bromofluorobenzene	0.40	154%	0.40	NA*	70-130

	Spiking Level mg/Kg	CONTROL SPIKE %R	CONTROL SPIKE DUP %R	%R Limits	%RPD
COMPOUNDS					
t-Butyl Alcohol (t-BA)	3.0	66.0%	101%	60-130%	41.7%
Methyl t-butyl ether (MTBE)	0.10	108%	123%	70-130%	13.5%
Diisopropyl ether (DIPE)	0.10	100%	118%	70-130%	16.1%
Ethyl t-Butyl ether (ETBE)	0.10	106%	116%	70-130%	9.0%
t-Amyl methyl ether (TAME)	0.10	94.0%	120%	70-130%	24.6%
1,2-Dichloroethane (1,2-DCA)	0.10	85.2%	108%	70-130%	24.0%
Ethylene dibromide (EDB)	0.10	113%	127%	70-130%	12.0%
1,1-Dichloroethene (1,1,DCE)	0.10	68.4%	76.8%	60-130%	11.6%
Benzene	0.10	89.6%	98.8%	70-130%	9.77%
Trichloroethene (TCE)	0.10	97.2%	104%	70-130%	6.37%
Toluene	0.10	97.6%	108%	70-130%	9.75%
Chlorobenzene	0.10	96.0%	110%	70-130%	14.0%
Surrogate:					
Dibromofluoromethane	0.40	121%	107%	70-130%	12.3%
1,2-Dichloroethane-d4	0.40	126%	127%	70-130%	1.03%
Toluene-d8	0.40	129%	122%	70-130%	5.26%
4-Bromofluorobenzene	0.40	138%	129%	70-130%	6.96%

* See Control Spike and Control Spike Duplicate

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Moore Twining Associates 2527 Fresno St. Fresno, CA. 93721 Attn: Julio Morales	Client Project ID: 4A08030 Lab Reference Number: 1401032 Sample Description: Soil Sample Prep/Analysis Method: EPA 3550/EPA 8015B Lab Numbers: 1401032-01, 02, 03, 04, 06	Sampled: 01-06-14 Received: 01-10-14 Extracted: 01-14-14 Analyzed: 01-15-14 Reported: 01-17-14

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

ANALYTE	REPORTING LIMIT (mg/kg)	SAMPLE ID FB-15@10 (4A08030-03) (mg/kg)	SAMPLE ID FB-15@15 (4A08030-06) (mg/kg)	SAMPLE ID FB-15@17.5 (4A08030-07) (mg/kg)	SAMPLE ID FB-15@20 (4A08030-08) (mg/kg)	SAMPLE ID FB-19@15 (4A08030-13) (mg/kg)
STODDARD SOLVENT HYDROCARBONS C8->C14	2.0	ND	2100	1500 1100 (SGT)	31	ND
DIESEL RANGE HYDROCARBONS C10->C22	2.0	ND	1400*	1000* 570 (SGT)	24*	ND
MOTOR OIL RANGE HYDROCARBONS C22->C40	5.0	ND	ND	ND ND (SGT)	ND	ND
Report Limit Multiplication Factor:		1	50	50	1	1

**Non-diesel pattern; overlap of Stoddard Solvent into Diesel Range.*

o-Terphenyl Surrogate % Recovery:	81.3%	NA	NA	82.5%	77.9%
Instrument ID:	HP-GC1	HP-GC1	HP-GC1	HP-GC1	HP-GC1

Analytes reported as ND were not detected or below the Practical Quantitation Limit
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor

APPROVED BY: Clari Cone
James C. Phillips / Laboratory Director or
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Moore Twining Associates 2527 Fresno St. Fresno, CA. 93721 Attn: Julio Morales	Client Project ID: 4A08030 Lab Reference Number: 1401032 Sample Description: Soil Sample Prep/Analysis Method: EPA 3550/EPA 8015B Lab Numbers: 1401032-07, 08, 10, 11, 12	Sampled: See Below Received: 01-10-14 Extracted: 01-14-14 Analyzed: 01-15-14 Reported: 01-17-14

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

ANALYTE	REPORTING LIMIT (mg/kg)	SAMPLE ID FB-19@17.5 (4A08030-14) (mg/kg)	SAMPLE ID FB-19@20 (4A08030-15) (mg/kg)	SAMPLE ID FB-20@10 (4A08030-19) (mg/kg)	SAMPLE ID FB-20@15 (4A08030-20) (mg/kg)	SAMPLE ID FB-20@20 (4A08030-22) (mg/kg)
STODDARD SOLVENT HYDROCARBONS C8->C14	2.0	170 130 (SGT)	8.5	ND	770	ND
DIESEL RANGE HYDROCARBONS C10->C22	2.0	130* 86 (SGT)	6.6*	ND	570*	ND
MOTOR OIL RANGE HYDROCARBONS C22->C40	5.0	ND ND (SGT)	ND	ND	ND	ND
Report Limit Multiplication Factor:		5	1	1	20	1
Date Sampled:		01-06-14	01-06-14	01-07-14	01-07-14	01-07-14

**Non-diesel pattern; overlap of Stoddard Solvent into Diesel Range.*

o-Terphenyl Surrogate % Recovery:	NA	88.7%	80.9%	NA	88.3%
Instrument ID:	HP-GC1	HP-GC1	HP-GC1	HP-GC1	HP-GC1

Analytes reported as ND were not detected or below the Practical Quantitation Limit
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor

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Moore Twining Associates 2527 Fresno St. Fresno, CA. 93721 Attn: Julio Morales	Client Project ID: 4A08030 Lab Reference Number: 1401032 Sample Description: Soil Sample Prep/Analysis Method: EPA 3550/EPA 8015B Lab Numbers: 1401032-13, 14, 15	Sampled: 01-07-14 Received: 01-10-14 Extracted: See Below Analyzed: See Below Reported: 01-17-14

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

ANALYTE	REPORTING LIMIT (mg/kg)	SAMPLE ID FB-21@10 (4A08030-27) (mg/kg)	SAMPLE ID FB-21@15 (4A08030-28) (mg/kg)	SAMPLE ID FB-21@20 (4A08030-30) (mg/kg)
STODDARD SOLVENT HYDROCARBONS C8->C14	2.0	ND	1900	ND
DIESEL RANGE HYDROCARBONS C10->C22	2.0	ND	1100*	ND
MOTOR OIL RANGE HYDROCARBONS C22->C40	5.0	ND	ND	ND
Report Limit Multiplication Factor:		1	50	1
Date Extracted:		01-14-14	01-15-14	01-15-14
Date Analyzed:		01-15-14	01-16-14	01-16-14

**Non-diesel pattern; overlap of Stoddard Solvent into Diesel Range.*

o-Terphenyl Surrogate % Recovery:	69.3%	NA	92.6%
Instrument ID:	HP-GC1	HP-GC1	HP-GC1

Analytes reported as ND were not detected or below the Practical Quantitation Limit
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor

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Moore Twining Associates, Inc. 2527 Fresno Street Fresno, CA 93721 Attn: Rachel Portillo	Client Project ID: 4A08030 Lab Reference Number: 1401032 Sample Description: Water Sample Prep/Analysis Method: LUFT/EPA 8015B Lab Numbers: 1401032-05, 09, 16	Sampled: See Below Received: 01-10-14 Extracted: 01-14-14 Analyzed: 01-16-14 Reported: 01-17-14

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

ANALYTE	REPORTING LIMIT (µg/L)	SAMPLE ID FB-15 (4A08030-09) (µg/L)	SAMPLE ID FB-19 (4A08030-16) (µg/L)	SAMPLE ID FB-21 (4A08030-31) (µg/L)
STODDARD SOLVENT HYDROCARBONS C8->C14	100	58000 50000 (SGT)	3000 2000 (SGT)	1100 540 (SGT)
DIESEL RANGE HYDROCARBONS C10->C22	100	41000* 26000 (SGT)	2200* 1200 (SGT)	710* 320 (SGT)
MOTOR OIL RANGE HYDROCARBONS C22->C40	500	ND ND (SGT)	ND ND (SGT)	ND ND (SGT)
Report Limit Multiplication Factor:		20 50 (SGT)	1	1
Date Sampled:		01-06-14	01-07-14	01-07-14

**Non-diesel pattern; overlap of Stoddard Solvent into Diesel Range.*

o-Terphenyl Surrogate % Recovery:	NA	108%	106%
Instrument ID:	HP-GC1	HP-GC1	HP-GC1

Analytes reported as ND were not detected or below the Practical Quantitation Limit
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor
MDL = Method Detection Limit - (J) indicates a value between the MDL and the Reporting Limit

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate No. 2480

2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
Fax: (209) 384-1507

Moore Twining Associates 2527 Fresno St. Fresno, CA. 93721 Attn: Julio Morales	Client Project ID: 4A08030 Lab Reference Number: 1401032 Sample Description: Soil	Method: TPH-Diesel Instrument ID: HP-GC1 Extracted: 01-14-14 Analyzed: 01-15-14 Reported: 01-17-14

QUALITY CONTROL DATA REPORT

ANALYTE	TPH-Diesel
Spike Concentration:	3.9
Units:	mg/kg
Batch #:	TPHDS-1144
Method Blank:	ND
LCS % Recovery:	85.7%
Control Limits:	60-130 %
MS/MSD Batch #:	TPHDS-1144
MS % Recovery:	82.2%
MSD % Recovery:	70.1%
Relative % Difference:	11.1%

Please Note:
The LCS (Laboratory Check Sample) is a control sample of known, interferent free matrix that is fortified with representative analytes and analyzed using the same reagents, preparation and analytical methods employed for the samples. The LCS % recovery is used for validation of sample batch results. Due to matrix effects, the QC limits and recoveries for MS/MSD's are advisory only and are not used to accept or reject batch results.

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate No. 2480

2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
Fax: (209) 384-1507

Moore Twining Associates 2527 Fresno St. Fresno, CA. 93721 Attn: Julio Morales	Client Project ID: 4A08030 Lab Reference Number: 1401032 Sample Description: Soil	Method: TPH-Diesel Instrument ID: HP-GC1 Extracted: 01-16-14 Analyzed: 01-16-14 Reported: 01-17-14

QUALITY CONTROL DATA REPORT

ANALYTE	TPH-Diesel
Spike Concentration:	3.9
Units:	mg/kg
Batch #:	TPHDS-1164
Method Blank:	ND
LCS % Recovery:	120%
Control Limits:	60-130 %
MS/MSD Batch #:	TPHDS-1164
MS % Recovery:	83.0%
MSD % Recovery:	89.3%
Relative % Difference:	6.1%

Please Note:
The LCS (Laboratory Check Sample) is a control sample of known, interferent free matrix that is fortified with representative analytes and analyzed using the same reagents, preparation and analytical methods employed for the samples. The LCS % recovery is used for validation of sample batch results. Due to matrix effects, the QC limits and recoveries for MS/MSD's are advisory only and are not used to accept or reject batch results.

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate No. 2480

2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
Fax: (209) 384-1507

Moore Twining Associates 2527 Fresno St. Fresno, CA. 93721 Attn: Julio Morales	Client Project ID: 4A08030 Lab Reference Number: 1401032 Sample Description: Water	Method: LUFT/EPA 8015B Instrument ID: HP-GC1 Extracted: 01-14-14 Analyzed: 01-16-14 Reported: 01-17-14

QUALITY CONTROL DATA REPORT

ANALYTE	TPH-Diesel
Spike Concentration:	194
Units:	ug/L
Batch #:	TPHDW-1144
Method Blank:	ND
LCSA % Recovery:	97.9%
LCSB % Recovery:	102%
Control Limits:	60-130 %
Relative % Difference:	4.3%
MS/MSD Batch #:	TPHDW-1144
MS % Recovery:	NA
MSD % Recovery:	NA
Relative % Difference:	NA

Note: Insufficient sample material to prepare MS/MSD samples. LCS samples prepared in duplicate.

The LCS (Laboratory Check Sample) is a control sample of known, interferent free matrix that is fortified with representative analytes and analyzed using the same reagents, preparation and analytical methods employed for the samples. The LCS % recovery is used for validation of sample batch results. Due to matrix effects, the QC limits and recoveries for MS/MSD's are advisory only and are not used to accept or reject batch results.

APPROVED BY: Clari J. Cone

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

MOORE TWINING ASSOCIATES, INC.

SUBCONTRACT ORDER - Purchase Order # 19585

California ELAP Certification # 1371

MTA Project # 4A08030

Please reference these numbers on all reports and invoices:
We also request QC data be provided with final report.

SENDING LABORATORY:

Moore Twining Associates, Inc.
2527 Fresno Street
Fresno, CA 93721
Phone: (559) 268-7021
Fax: (559) 268-0740
Project Manager: Julio Morales

RECEIVING LABORATORY:

Castle Analytical Laboratory
2333 Shuttle Drive
Atwater, CA 95301
Phone :(209) 384-2930
Fax: (209) 384-1507

Please RUSH
Report by 1/17/14

1401032

Sample Comments

-17 **Client Sample ID#: FB-15@0.5**

MTA Sample ID: 4A08030-01 Matrix: Soil **Sampled: 01/06/14 09:05** **Report Due to Client: 01/17/14**

Requested Analysis: Hold Only Fee — Holding time expires: 01/06/14 09:05
Containers Supplied:

-18 **Client Sample ID#: FB-15@5**

MTA Sample ID: 4A08030-02 Matrix: Soil **Sampled: 01/06/14 09:00** **Report Due to Client: 01/17/14**

Requested Analysis: Hold Only Fee — Holding time expires: 01/06/14 09:00
Containers Supplied:

-01 **Client Sample ID#: FB-15@10**

Include Stoddard Solvents

MTA Sample ID: 4A08030-03 Matrix: Soil **Sampled: 01/06/14 09:40** **Report Due to Client: 01/17/14**

Requested Analysis: 8260B Twining — Holding time expires: 01/20/14 09:40
Requested Analysis: TPH-D (C10-C28) — Holding time expires: 01/20/14 09:40
Requested Analysis: TPH-MO (C14-C40) — Holding time expires: 01/20/14 09:40
Containers Supplied:

Please keep "Hold only Fee" Samples until further notice. Thanks!

Released By	Date	Received By	Date
MB	1/9/14	Clare Lone	1/10/14 9:10am

Please fax copy of receipt with your assigned sample ID number to (559) 268-0740

MOORE TWINING ASSOCIATES, INC

SUBCONTRACT ORDER - Purchase Order # 19585

California ELAP Certification # 1371

MTA Project # 4A08030

Please reference these numbers on all reports and invoices:
We also request QC data be provided with final report.

1401032

Sample Comments

19

Client Sample ID#: FB-15@12

MTA Sample ID: 4A08030-04 Matrix: Soil **Sampled: 01/06/14 09:50** **Report Due to Client: 01/17/14**

Requested Analysis: Hold Only Fee — Holding time expires: 01/06/14 09:50

Containers Supplied:

20

Client Sample ID#: FB-15@13

MTA Sample ID: 4A08030-05 Matrix: Soil **Sampled: 01/06/14 09:54** **Report Due to Client: 01/17/14**

Requested Analysis: Hold Only Fee — Holding time expires: 01/06/14 09:54

Containers Supplied:

02

Client Sample ID#: FB-15@15

[redacted] **Report Due to Client: 01/17/14**

MTA Sample ID: 4A08030-06 Matrix: Soil **Sampled: 01/06/14 10:10**

Requested Analysis: TPH-MO (C14-C40) — Holding time expires: 01/20/14 10:10
Requested Analysis: 8260B Twining — Holding time expires: 01/20/14 10:10
Requested Analysis: TPH-D (C10-C28) — Holding time expires: 01/20/14 10:10

Containers Supplied:

03

Client Sample ID#: FB-15@17.5

[redacted] **Report Due to Client: 01/17/14**

MTA Sample ID: 4A08030-07 Matrix: Soil **Sampled: 01/06/14 10:25**

Requested Analysis: TPH-MO (C14-C40) — Holding time expires: 01/20/14 10:25
Requested Analysis: TPH-MO - SGT (C14-C40) — Holding time expires: 01/20/14 10:25
Requested Analysis: TPH-D (C10-C28) — Holding time expires: 01/20/14 10:25
Requested Analysis: 8260B Twining — Holding time expires: 01/20/14 10:25
Requested Analysis: TPH-D (SGT) — Holding time expires: 01/20/14 10:25

Containers Supplied:

Released By	Date	Received By	Date
NB	1/9/14	Clay Jones	1/10/14 9:00am
Released By	Date	Received By	Date

Please fax copy of receipt with your assigned sample ID number to (559) 268-0740

MOORE TWINING ASSOCIATES, INC

SUBCONTRACT ORDER - Purchase Order # 19585

California ELAP Certification # 1371

MTA Project # 4A08030

Please reference these numbers on all reports and invoices:
We also request QC data be provided with final report.

1401032

Sample Comments

-04

Client Sample ID#: FB-15@20

Include Stoddard Solvents

MTA Sample ID: 4A08030-08 Matrix: Soil **Sampled: 01/06/14 11:11** **Report Due to Client: 01/17/14**

Requested Analysis: TPH-MO (C14-C40) Holding time expires: 01/20/14 11:11
Requested Analysis: 8260B Twining Holding time expires: 01/20/14 11:11
Requested Analysis: TPH-D (C10-C28) Holding time expires: 01/20/14 11:11
Containers Supplied:

-05

Client Sample ID#: FB-15

Include Stoddard Solvents

MTA Sample ID: 4A08030-09 Matrix: Water **Sampled: 01/06/14 11:30** **Report Due to Client: 01/17/14**

Requested Analysis: TPH-MO (C14-C40) Holding time expires: 01/20/14 11:30
Requested Analysis: TPH-MO - SGT (C14-C40) Holding time expires: 01/20/14 11:30
[redacted] Holding time expires: 01/20/14 11:30
Requested Analysis: TPH-D (C10-C28) Holding time expires: 01/20/14 11:30
Requested Analysis: TPH-D (SGT) Holding time expires: 01/20/14 11:30
Containers Supplied:

21

Client Sample ID#: FB-19@0.5

MTA Sample ID: 4A08030-10 Matrix: Soil **Sampled: 01/06/14 12:32** **Report Due to Client: 01/17/14**

Requested Analysis: Hold Only Fee Holding time expires: 01/06/14 12:32
Containers Supplied:

22

Client Sample ID#: FB-19@5

MTA Sample ID: 4A08030-11 Matrix: Soil **Sampled: 01/06/14 12:40** **Report Due to Client: 01/17/14**

Requested Analysis: Hold Only Fee Holding time expires: 01/06/14 12:40
Containers Supplied:

Released By	Date	Received By	Date
MB	1/9/14	Cla Jone	1/10/14 9:10am

Please fax copy of receipt with your assigned sample ID number to (559) 268-0740

MOORE TWINING ASSOCIATES, INC.

SUBCONTRACT ORDER - Purchase Order # 19585

California ELAP Certification # 1371

MTA Project # 4A08030

Please reference these numbers on all reports and invoices:
We also request QC data be provided with final report.

1401032

Sample Comments

23

Client Sample ID#: FB-19@10

MTA Sample ID: 4A08030-12 Matrix: Soil **Sampled: 01/06/14 13:00** **Report Due to Client: 01/17/14**

Requested Analysis: Hold Only Fee — Holding time expires: 01/06/14 13:00

Containers Supplied:

06

Client Sample ID#: FB-19@15

Include Stoddard Solvents

MTA Sample ID: 4A08030-13 Matrix: Soil **Sampled: 01/06/14 13:20** **Report Due to Client: 01/17/14**

Requested Analysis: TPH-D (C10-C28) — Holding time expires: 01/20/14 13:20
Requested Analysis: TPH-MO (C14-C40) — Holding time expires: 01/20/14 13:20
Requested Analysis: 8260B Twining — Holding time expires: 01/20/14 13:20

Containers Supplied:

07

Client Sample ID#: FB-19@17.5

Include Stoddard Solvents

MTA Sample ID: 4A08030-14 Matrix: Soil **Sampled: 01/06/14 13:42** **Report Due to Client: 01/17/14**

Requested Analysis: TPH-D (C10-C28) — Holding time expires: 01/20/14 13:42
Requested Analysis: TPH-D (SGT) — Holding time expires: 01/20/14 13:42
Requested Analysis: TPH-MO - SGT (C14-C40) — Holding time expires: 01/20/14 13:42
Requested Analysis: TPH-MO (C14-C40) — Holding time expires: 01/20/14 13:42
Requested Analysis: 8260B Twining — Holding time expires: 01/20/14 13:42

Containers Supplied:

08

Client Sample ID#: FB-19@20

Include Stoddard Solvents

MTA Sample ID: 4A08030-15 Matrix: Soil **Sampled: 01/06/14 14:05** **Report Due to Client: 01/17/14**

Requested Analysis: TPH-MO (C14-C40) — Holding time expires: 01/20/14 14:05
Requested Analysis: 8260B Twining — Holding time expires: 01/20/14 14:05
Requested Analysis: TPH-D (C10-C28) — Holding time expires: 01/20/14 14:05

Containers Supplied:

Released By	Date	Received By	Date
MB	1/9/14	Clay Jones	1/10/14 9:10am

Please fax copy of receipt with your assigned sample ID number to (559) 268-0740

MOORE TWINING ASSOCIATES, INC

SUBCONTRACT ORDER - Purchase Order # 19585

California ELAP Certification # 1371

MTA Project # 4A08030

Please reference these numbers on all reports and invoices:
We also request QC data be provided with final report.

1401032

Sample Comments

-09 **Client Sample ID#: FB-19**

Include Stoddard Solvents

MTA Sample ID: 4A08030-16 Matrix: Water **Sampled: 01/06/14 14:30** **Report Due to Client: 01/17/14**

Requested Analysis: TPH-D (C10-C28)	Holding time expires: 01/20/14 14:30
Requested Analysis: TPH-MO (C14-C40)	Holding time expires: 01/20/14 14:30
Requested Analysis: TPH-D (SGT)	Holding time expires: 01/20/14 14:30
[redacted]	Holding time expires: 01/20/14 14:30
Requested Analysis: TPH-MO - SGT (C14-C40)	Holding time expires: 01/20/14 14:30

Containers Supplied:

-24 **Client Sample ID#: FB-20@0.5**

MTA Sample ID: 4A08030-17 Matrix: Soil **Sampled: 01/07/14 09:10** **Report Due to Client: 01/17/14**

Requested Analysis: Hold Only Fee — Holding time expires: 01/07/14 09:10

Containers Supplied:

-25 **Client Sample ID#: FB-20@5**

MTA Sample ID: 4A08030-18 Matrix: Soil **Sampled: 01/07/14 09:19** **Report Due to Client: 01/17/14**

Requested Analysis: Hold Only Fee — Holding time expires: 01/07/14 09:19

Containers Supplied:

-10 **Client Sample ID#: FB-20@10**

Include Stoddard Solvents

MTA Sample ID: 4A08030-19 Matrix: Soil **Sampled: 01/07/14 09:25** **Report Due to Client: 01/17/14**

Requested Analysis: TPH-MO (C14-C40)	Holding time expires: 01/21/14 09:25
Requested Analysis: 8260B Twining	Holding time expires: 01/21/14 09:25
Requested Analysis: TPH-D (C10-C28)	Holding time expires: 01/21/14 09:25

Containers Supplied:

Released By	Date	Received By	Date
NB	1/9/14	Clay Jones	1/10/14 9:10am

Please fax copy of receipt with your assigned sample ID number to (559) 268-0740

MOORE TWINING ASSOCIATES, INC

SUBCONTRACT ORDER - Purchase Order # 19585

California ELAP Certification # 1371

MTA Project # 4A08030

Please reference these numbers on all reports and invoices:
We also request QC data be provided with final report.

1401032

Sample Comments

-11 **Client Sample ID#: FB-20@15**

Include Stoddard Solvents

MTA Sample ID: 4A08030-20 Matrix: Soil **Sampled: 01/07/14 09:50** **Report Due to Client: 01/17/14**

Requested Analysis: 8260B Twining — Holding time expires: 01/21/14 09:50
Requested Analysis: TPH-D (C10-C28) — Holding time expires: 01/21/14 09:50
Requested Analysis: TPH-MO (C14-C40) — Holding time expires: 01/21/14 09:50
Containers Supplied:

-10 **Client Sample ID#: FB-20@17**

MTA Sample ID: 4A08030-21 Matrix: Soil **Sampled: 01/07/14 10:10** **Report Due to Client: 01/17/14**

Requested Analysis: Hold Only Fee — Holding time expires: 01/07/14 10:10
Containers Supplied:

-12 **Client Sample ID#: FB-20@20**

Include Stoddard Solvents

MTA Sample ID: 4A08030-22 Matrix: Soil **Sampled: 01/07/14 10:25** **Report Due to Client: 01/17/14**

Requested Analysis: TPH-MO (C14-C40) — Holding time expires: 01/21/14 10:25
Requested Analysis: TPH-D (C10-C28) — Holding time expires: 01/21/14 10:25
Requested Analysis: 8260B Twining — Holding time expires: 01/21/14 10:25
Containers Supplied:

27 **Client Sample ID#: FB-20**

MTA Sample ID: 4A08030-23 Matrix: Water **Sampled: 01/07/14 10:50** **Report Due to Client: 01/17/14**

Requested Analysis: Hold Only Fee — Holding time expires: 01/07/14 10:50
Containers Supplied:

Released By	Date	Received By	Date
MB	1/9/14	Clay Jones	1/10/14 9:10am
Released By	Date	Received By	Date

Please fax copy of receipt with your assigned sample ID number to (559) 268-0740 Page 6 of 8

MOORE TWINING ASSOCIATES INC

SUBCONTRACT ORDER - Purchase Order # 19585

California ELAP Certification # 1371

MTA Project # 4A08030

Please reference these numbers on all reports and invoices:
We also request QC data be provided with final report.

- H01032

Sample Comments

28 **Client Sample ID#: FB-21@0.5**

MTA Sample ID: 4A08030-24 Matrix: Soil **Sampled: 01/07/14 12:06** **Report Due to Client: 01/17/14**

Requested Analysis: Hold Only Fee — Holding time expires: 01/07/14 12:06
Containers Supplied:

29 **Client Sample ID#: FB-21@3**

MTA Sample ID: 4A08030-25 Matrix: Soil **Sampled: 01/07/14 11:45** **Report Due to Client: 01/17/14**

Requested Analysis: Hold Only Fee — Holding time expires: 01/07/14 11:45
Containers Supplied:

30 **Client Sample ID#: FB-21@5**

MTA Sample ID: 4A08030-26 Matrix: Soil **Sampled: 01/07/14 11:55** **Report Due to Client: 01/17/14**

Requested Analysis: Hold Only Fee — Holding time expires: 01/07/14 11:55
Containers Supplied:

13 **Client Sample ID#: FB-21@10**

Include Stoddard Solvents

MTA Sample ID: 4A08030-27 Matrix: Soil **Sampled: 01/07/14 12:14** **Report Due to Client: 01/17/14**

Requested Analysis: TPH-D (C10-C28) — Holding time expires: 01/21/14 12:14
Requested Analysis: TPH-MO (C14-C40) — Holding time expires: 01/21/14 12:14
Requested Analysis: 8260B Twining — Holding time expires: 01/21/14 12:14
Containers Supplied:

Released By	Date	Received By	Date
MB	1/9/14	[signature]	1/10/14 9:10am

Please fax copy of receipt with your assigned sample ID number to (559) 268-0740

MOORE TWINING ASSOCIATES INC

SUBCONTRACT ORDER - Purchase Order # 19586

California ELAP Certification # 1371

MTA Project # 4A08030

Please reference these numbers on all reports and invoices:
We also request QC data be provided with final report.

1401032

Sample Comments

.14

Client Sample ID#: FB-21@15

[redacted]
Report Due to Client: 01/17/14

MTA Sample ID: 4A08030-28 Matrix: Soil **Sampled: 01/07/14 12:45**

Requested Analysis: 8260B Twining	Holding time expires: 01/21/14 12:45
Requested Analysis: TPH-D (C10-C28)	Holding time expires: 01/21/14 12:45
Requested Analysis: TPH-MO (C14-C40)	Holding time expires: 01/21/14 12:45

Containers Supplied:

31

Client Sample ID#: FB-21@17

Report Due to Client: 01/17/14

MTA Sample ID: 4A08030-29 Matrix: Soil **Sampled: 01/07/14 13:20**

Requested Analysis: Hold Only Fee	Holding time expires: 01/07/14 13:20

Containers Supplied:

15

Client Sample ID#: FB-21@20

[redacted]
Report Due to Client: 01/17/14

MTA Sample ID: 4A08030-30 Matrix: Soil **Sampled: 01/07/14 13:45**

Requested Analysis: TPH-D (C10-C28)	Holding time expires: 01/21/14 13:45
Requested Analysis: 8260B Twining	Holding time expires: 01/21/14 13:45
Requested Analysis: TPH-MO (C14-C40)	Holding time expires: 01/21/14 13:45

Containers Supplied:

16

Client Sample ID#: FB-21

[redacted]
Report Due to Client: 01/17/14

MTA Sample ID: 4A08030-31 Matrix: Water **Sampled: 01/07/14 14:10**

Requested Analysis: TPH-MO (C14-C40)	Holding time expires: 01/21/14 14:10
Requested Analysis: TPH-MO - SGT (C14-C40)	Holding time expires: 01/21/14 14:10
Requested Analysis: TPH-D (SGT)	Holding time expires: 01/21/14 14:10
Requested Analysis: TPH-D (C10-C28)	Holding time expires: 01/21/14 14:10
[redacted]	Holding time expires: 01/21/14 14:10

Containers Supplied:

Released By	Date	Received By	Date
MB	1/9/14	[signature]	1/10/14 9:10a
Released By	Date	Received By	Date

Please fax copy of receipt with your assigned sample ID number to (559) 268-0740

* Please provide chromatograms for requested TPHg / TPHd / TPHmo tests. Include stoddard solvent

4A08030

ES-F10 CHAIN OF CUSTODY

PROJECT NAME: Mercury Cleaners

PROJECT NO.: 04.72120008 ph 14 LAB: MTA

PROJECT CONTACT: MDANNA/KENERY/JALEXANDER TURNAROUND: 10 day TAT

SAMPLED BY: Keith Mayes would like results by 1/17 if possible

LABORATORY I.D. NUMBER	FIELD SAMPLE I.D.	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR	CONTAINERS: VOA	CONTAINERS: LITER	CONTAINERS: PINT	CONTAINERS: TUBE	PRESERVATIVE: HCL	PRESERVATIVE: H_2SO_4	PRESERVATIVE: HNO_3	PRESERVATIVE: ICE	PRESERVATIVE: OTHER	PRESERVATIVE: NONE	SAMPLING DATE: MONTH	DAY	YEAR	TIME	NOTES	ANALYSIS REQUESTED: TPHg	TPHd, mo w/ Si gel	TPHd, mo w/o Si gel	VOCs	SVOCs			TPH
1	FB-15@ 0.5		X					X				X			01	06	14	0905	1								X
2	FB-15@ 5																	0900	1								X
3	FB-15@ 10																	0940		X		X	X				
4	FB-15@ 12																	0950	1								X
5	FB-15@ 13																	0954	1								X
6	FB-15@ 15																	1010		X		X	X				
7	FB-15@ 17.5																	1025		X	X	X	X	X			
8	FB-15@ 20		X					X				X			01	06	14	1111		X		X	X				
9	FB-15	X			X	X			X			X		X	01	06	14	1130		X	X	X	X	X			

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
Keith Mayes	1/8/14 13:30		

COMMENTS & NOTES:

① Some or all analysis will be run, samples to analyze TBD

② TPHd, mo need to be run twice once with silica gel clean up and once without per requested analysis

FUGRO WEST, INC.
1000 Broadway, Suite 200
Oakland, California 94607
Tel: 510.268.0461 Fax: 510.268.0137

* Please provide chromatograms for requested TPHg / TPHd / TPHmo tests. Include Stoddard Solvent

4A05030

FF-02 CHAIN OF CUSTODY

PROJECT NAME: Mercury Cleaners

PROJECT NO.: 04.7212000 8 ph 19 LAB: MTA

PROJECT CONTACT: MDANNA / KEMERY / JAlexander TURNAROUND: ~~Std~~ 10 wd day TAT

SAMPLED BY: Keith Mayes

would like results by 1/7 if possible

LABORATORY I.D. NUMBER	FIELD SAMPLE I.D.	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR	CONTAINERS: VOA	CONTAINERS: LITER	CONTAINERS: PINT	CONTAINERS: TUBE	PRESERVATIVE: HCL	PRESERVATIVE: H_2SO_4	PRESERVATIVE: HNO_3	PRESERVATIVE: ICE	PRESERVATIVE: OTHER	PRESERVATIVE: NONE	SAMPLING DATE: MONTH	SAMPLING DATE: DAY	SAMPLING DATE: YEAR	SAMPLING DATE: TIME	NOTES	TPHg	TPHd w/ Si gel	VOC	SVOC	TPHd/mo w/o Si gel		Hold		EDF Reporting
10	FB-19@ 0.5		X					X				X			01	06	14	1232	1							X		
11	FB-19@ 5																	1240	1							X		
12	FB-19@ 10																	1300	1							X		
13	FB-19@ 15																	1320		X		X		X				
14	FB-19@ 17.5																	1342		X	X	X	X	X				
15	FB-19@ 20		X					X				X			01	06	14	1405		X		X		X				
~~[illegible]~~																												
16	FB-19	X			X	X			X			X		X	01	06	14	1430		X	X	X	X	X				

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]	1/8/14 13:30		
		NB	1/8/14 1330

COMMENTS & NOTES:

① All or some of these Analysis will be tested for Analysis TBD.

② TPHd, mo need to be run with Si gel and with out Si gel. per requested analysis.

FUGRO CONSULTANTS, INC.
1000 Broadway, Suite 440
Oakland, California 94607
Tel: 510.268.0461 Fax: 510.268.0545

* Please provide chromatographs for requested TPHg / TPHd / TPHmo Tests. Include Stoddard Solvent

4A08030

FF-02 CHAIN OF CUSTODY

PROJECT NAME: Mercury Cleaners

PROJECT NO.: 04.72120008 ph 14 LAB: MTA

PROJECT CONTACT: MDANNA/KEMERY/JALEXANDER TURNAROUND: 10 day TAT

SAMPLED BY: Keith Mayes would like results by 1/17 if possible

LABORATORY I.D. NUMBER	FIELD SAMPLE I.D.	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR		CONTAINERS: VOA	CONTAINERS: LITER	CONTAINERS: PINT	CONTAINERS: TUBE			PRESERVATIVE: HCL	PRESERVATIVE: H_2SO_4	PRESERVATIVE: HNO_3	PRESERVATIVE: ICE	PRESERVATIVE: OTHER	PRESERVATIVE: NONE	SAMPLING DATE: MONTH	DAY	YEAR	TIME	NOTES	ANALYSIS REQUESTED: TPHg	TPHd w/ Si gel cleanup	VOC	SVOC	TPHd/mo w/o Si gel			HOLD		EDF Reporting
17	FB-20 @ 0.5		X						X						X			01	07	14	0910	1							X		
18	FB-20 @ 5																				0919								X		
19	FB-20 @ 10																				0925		X		X		X				
20	FB-20 @ 15																				0950		X		X		X				
21	FB-20 @ 17																				1010	1							X		
22	FB-20 @ 20		X						X						X			01	07	14	1025		X		X		X				
23	FB-20	X				X	X					X			X			01	07	14	1050								X		

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]	1/8/14 13:30		
		MB / MTA	1/8/14 1330

COMMENTS & NOTES:

1. Same or all analysis will be run, samples to analyze TBD.
2. TPHd/mo run twice, once with silica gel clean up and once without, per requested analysis.

FUGRO CONSULTANTS, INC.
1000 Broadway, Suite 440
Oakland, California 94607
Tel: 510.268.0461 Fax: 510.268.0545

Approved by David Gardner, AC 71 Manager, Fugro West, Inc. 1/31/09
Note: If this is a printed copy, please check the online QMS to ensure that it is the latest version.

L1A08030

* Please provide chromatographs for requested TPHg / TPHd / TPHmo tests. Include standard solvent

FF-02 CHAIN OF CUSTODY

PROJECT NAME: Mercury Cleaner

PROJECT NO.: 04.72120008 ph14 LAB: MTA

PROJECT CONTACT: MDANNA/KEMERY/JALEXANDER TURNAROUND: 10 day TAT

SAMPLED BY: Keith Mayes would like results by 1/17 if possible

LABORATORY I.D. NUMBER	FIELD SAMPLE I.D.	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR	CONTAINERS: VOA	CONTAINERS: LITER	CONTAINERS: PINT	CONTAINERS: TUBE	PRESERVATIVE: HCL	PRESERVATIVE: H_2SO_4	PRESERVATIVE: HNO_3	PRESERVATIVE: ICE	PRESERVATIVE: OTHER	PRESERVATIVE: NONE	SAMPLING DATE: MONTH	DAY	YEAR	TIME	NOTES	TPHg	TPHd, mo w/ Sigel	TPHd, mo w/o Sigel	VOC	SVOC		HOID		EDF Reporting
24	FB-21@0.5		X					X				X			01	07	14	1206	1							X		
25	FB-21@3		(					(				(			(	(	(	1145	1							X		
26	FB-21@5		(					(				(			(	(	(	1155	1							X		
27	FB-21@10		(					(				(			(	(	(	1214		X		X	X					
28	FB-21@15		(					(				(			(	(	(	1245		X		X	X					
29	FB-21@17		(					(				(			(	(	(	1320								X		
30	FB-21@20		X					X			/	X			01	07	14	1345		X		X	X					
J1	FB-21	X			X	X			X			X		X	01	07	14	1410		X	X	X	X	X				

ANALYSIS REQUESTED

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]	1/8/14 13:30		

COMMENTS & NOTES:

① Some or all analysis will be run, Samples to be tested TBD.

② TPHd, mo needs to be run twice, once with silica gel clean up and once without, per requested analysis.

FUGRO CONSULTANTS, INC.
1000 Broadway, Suite 440
Oakland, California 94607
Tel: 510.268.0461 Fax: 510.268.0545

Approved by David Gardner, AC 71 Manager, Fugro West, Inc. 1/31/09
Note: If this is a printed copy, please check the online QMS to ensure that it is the latest version.

Moore Twining Associates, Inc.

Sample Integrity Page 5 of 6 WO# 4A08030 Date Received: 01/08/14

Section 1-Sampled Same Day

Sample Transport: Walk In MTA Courier Transported In: Ice Chest Box Hand

Has Chilling Begun? Yes No

Section 2-Sampled Previously

Sample Transport: Walk-in UPS GSO Fed Ex MTA Courier Other:

No. Coolers/Ice Chests: 1 Temperature(s): 1.8°C

Was Temperature In Range? Y or N Received On Ice: Wet Blue

Describe type of packing materials: Bubble Wrap Foam Packing Peanuts Paper Other: n/a

Were ice chest custody seals present? Y or N Intact? Y or N

Section 3-COC Info.

	Completed				Completed	
	Yes	No			Yes	No
Was COC Received	✓		Analysis Requested		✓	
Date Sampled	✓		Any hold times less than 72hr			✓
Time Sampled	✓		Client Name		✓	
Sample ID	✓		Address		✓	
Special Storage/Handling Ins.		✓	Telephone #		✓	

Section 4-Bottles/Analysis

	Yes	No	N/A	Comment
Did all bottles arrive unbroken and intact?	✓			
Were bottle custody seals present?			✓	
Were bottle custody seals intact?			✓	
Did all bottle labels agree with COC?	✓			
Were correct containers used for the tests requested?	✓			
Was sufficient amount of sample sent for tests indicated?	✓			
Were bubbles present in VOA Vials? (Volatiles Methods Only)			✓	
Were Ascorbic Acid Bottles Received with VOAs?			✓	

Section 5-Comment/Discrepancies

Sample(s) Split/Preserve: Yes or No Container: Preservation: Initials:

Filtered: Yes No Container: Preservation: Initials:

Was Client Service Supervisor notified of discrepancies: Yes or No N/A Notified by:

Explanations/Comments:

Labeled by: Checked by:

FL-SC-0003-02

Sample Integrity Page 6 of 6 WO# 4408030 MTA Bottles: Yes or No

Plastic 125mL (A) Plastic 250mL (B) Plastic 1L (C) Amber Glass (AG)

Sample(s) Received	1-8	9	10-15	16	17-22	23	24-30	31			
Bacti 100mL Thiosulfate											
None Preserved Plastic											
HNO3 Plastic											
H2SO4 Plastic											
NaOH Plastic											
300mL DO Bottle											
Other											
Client Own											
1L Plastic NaOH/ZnAc											
250mL (AG) None											
250mL (AG) H2SO4											
250mL (AG) Thio 547, 548											
250mL (AG) Other											
500mL Clear Glass None											
1L (AG) None		2		2		2		2			
1L (AG) HCl											
1L (AG) Thio 525, 515											
40mL (AG VOA) Thio + K Citrate 531.2											
40mL VOA Vial - HCl		4		4		4		4			
40mL VOA Vial - None											
40mL VOA Vial - H3PO4											
40mL VOA Vial (AG) - thio (THM)											
40mL VOA Vial - Na2SO3 (thio)											
Soil Jar Clear Glass 125mL 250mL 500mL											
THM 40mL VOA None											
Plastic Bag											
Soil Tube	2		2		2		2				
Tedlar Bags											
Asbestos 1L Plastic											
Gross Alpha/Beta 1L HNO3 each											
Radiological 226/228 1L HNO3 each											
Radon											
Low Level Hg/Metals Double Bag											

MOORE TWINING ASSOCIATES, INC.

Project Name: Fugro Mercury Cleaners
Project Number A28019.01

Report Date: 2/5/2014
Sample Date: 1/6/2014
Sample I.D.: 14-0063

Subject: Moisture/Density/Porosity

Test Results

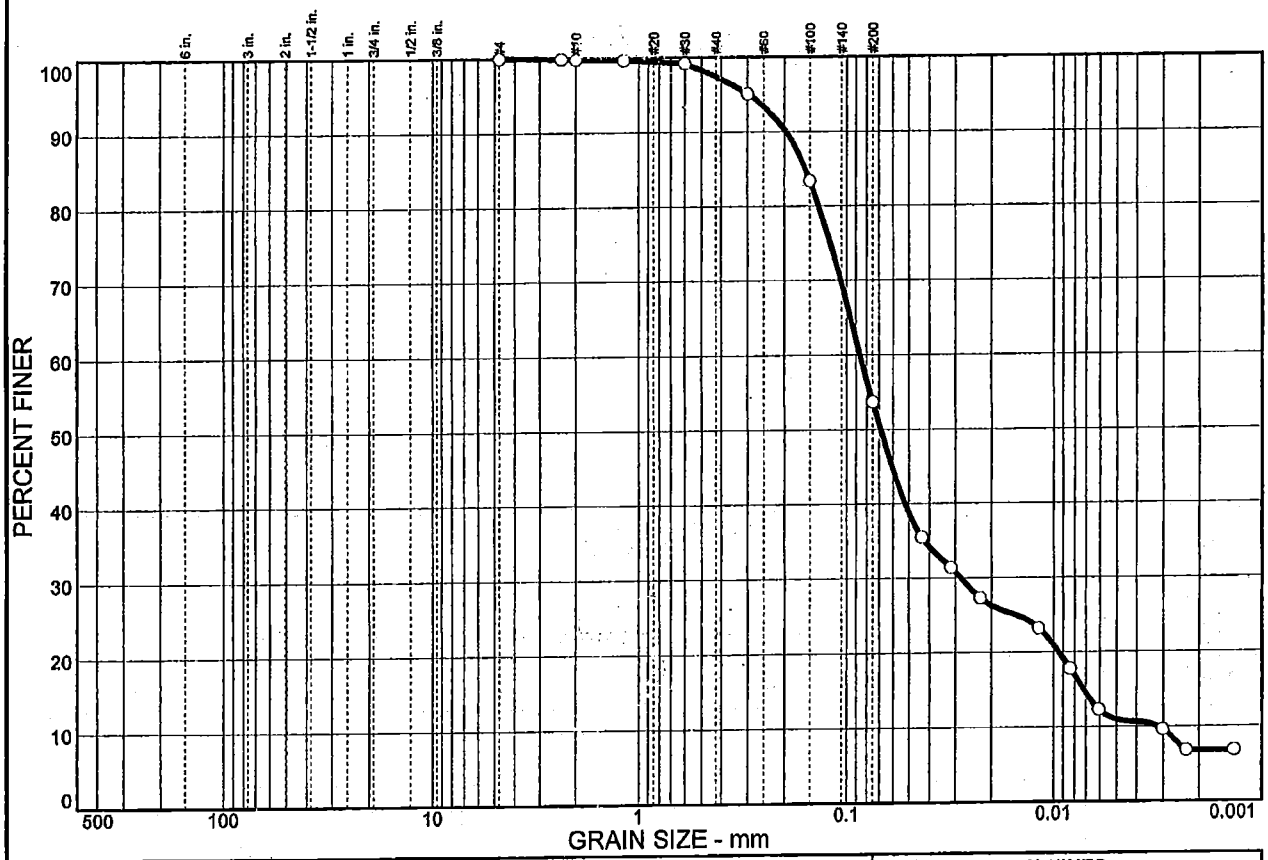
Sample I.D.:	**FB-15 @ 0.5'**	**FB-15 @13'**
Wet Weight, gm	213.3	213.8
Dry Weight, gm	176.9	195.6
Moisture content, %	**20.6**	**9.3**
Average Length, in	5.540	4.970
Average Diameter, in	1.425	1.425
Vt, ft^3	5.11E-03	4.59E-03
Vw, ft^3	1.29E-03	6.44E-04
Vs, ft^3	2.28E-03	2.47E-03
Va, ft^3	1.55E-03	1.47E-03
Vv, ft^3	2.84E-03	2.11E-03
S, Degree of Saturation, %	45.4	30.5
Dry, Density, pcf	**76.2**	**93.9**
e, Void Ratio	1.25	0.85
n, Porosity	**55.5**	**46.1**
Specific Gravity, ASTM D854 @ 20° C	2.746	2.794

Moore Twining Associates, Inc.

Michael Shwiyhat, EIT
Manager
Materials Testing Division

ph: 800.268.7021
fx: 559.268.7126
2527 Fresno Street
Fresno, CA 93721

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.0	0.2	2.4	43.7	42.7	11.0

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#4	100.0		
#8	99.9		
#10	99.8		
#16	99.7		
#30	99.2		
#50	95.1		
#100	83.4		
#200	53.7		

* (no specification provided)

Material Description

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 0.158 D_{60}= 0.0862 D_{50}= 0.0688
D_{30}= 0.0282 D_{15}= 0.0072 D_{10}= 0.0032
C_u= 27.14 C_c= 2.90

Classification

USCS= AASHTO=

Remarks

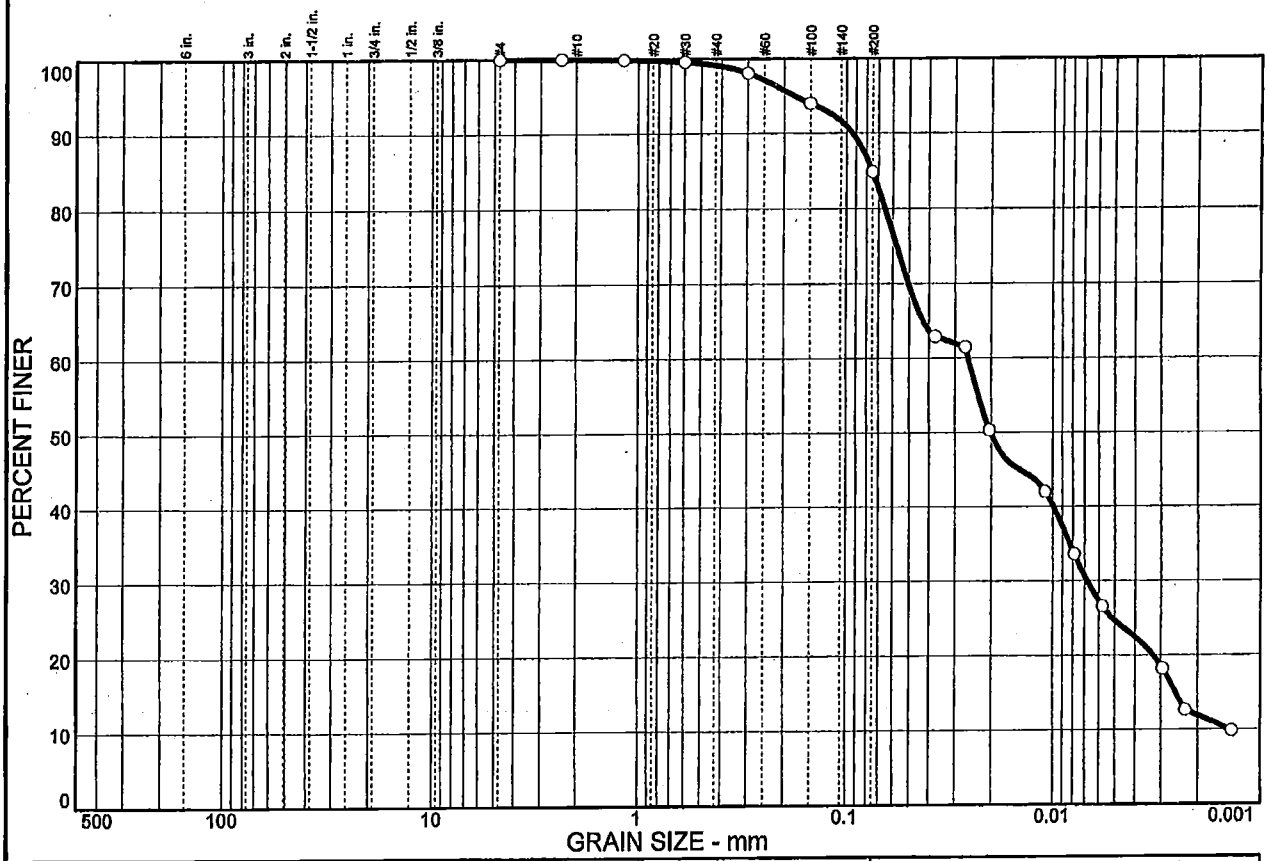
Sample No.: FB-15 **Source of Sample:** **Date:** 01/06/14
Location: **Elev./Depth:** 13

Moore Twining Associates, Inc.

Fresno, CA

Client:
Project: Fugro Mercury Cleaners
Project No: A28019.01 **Figure**

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.0	0.0	0.8	14.3	60.2	24.7

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#4	100.0		
#8	100.0		
#16	99.9		
#30	99.6		
#50	98.1		
#100	94.0		
#200	84.9		

* (no specification provided)

Material Description

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 0.0752 D_{60}= 0.0258 D_{50}= 0.0201
D_{30}= 0.0068 D_{15}= 0.0026 D_{10}= 0.0014
C_u= 18.23 C_c= 1.28

Classification

USCS= AASHTO=

Remarks

Sample No.: FB-15 **Source of Sample:** **Date:** 01/06/14
Location: **Elev./Depth:** 0.5

Moore Twining Associates, Inc.

Fresno, CA

Client:
Project: Fugro Mercury Cleaners
Project No: A28019.01 **Figure**

TEG Northern California Inc.

27 January 2014

Ms. Jeriann Alexander
Fugro Consultants, Inc.
2420 Del Paso Road, Suite 250
Sacramento, CA 95834

SUBJECT: DATA REPORT - Fugro Consultants, Inc. Project # 0472120008 Phase 14
Mercury Cleaners / 1419 16th Street, Sacramento, California

TEG Project # 40104F

Ms. Alexander:

Please find enclosed a data report for the samples analyzed from the above referenced project for Fugro Consultants, Inc. The samples were analyzed on site in TEG's mobile laboratory. TEG conducted a total of 39 analyses on 29 soil vapor samples.

-- 29 analyses on soil vapors for volatile organic hydrocarbons, and total petroleum hydrocarbons-gasoline by EPA method 8260B.

-- 10 analyses on soil vapors for total petroleum hydrocarbons-diesel by EPA method mod8015.

The results of the analyses are summarized in the enclosed tables. Applicable detection limits and calibration data are included in the tables.

TEG appreciates the opportunity to have provided analytical services to Fugro Consultants, Inc. on this project. If you have any further questions relating to these data or report, please do not hesitate to contact us.

Sincerely,

Mark Jerpbak
Director, TEG-Northern California

11350 Monier Park Place, Rancho Cordova, CA 95742 • Phone (916) 853-8010 • Fax (916) 853-8020

teg

Fugro Consultants, Inc.
Project # 0472120008 Phase 14
Mercury Cleaners
1419 16th Street, Sacramento, California

TEG Project #40104F

EPA Method 8260B VOC Analyses of SOIL VAPOR in micrograms per cubic meter of Vapor

SAMPLE NUMBER:		Probe Blank	Probe Blank	Probe Blank	Probe Blank
SAMPLE DEPTH (feet):					
PURGE VOLUME:					
COLLECTION DATE:		01/04/14	01/05/14	1/11/14	1/12/14
COLLECTION TIME:		09:06	08:00	09:43	08:45
DILUTION FACTOR (VOCs):		1	1	1	1
	RL				
Dichlorodifluoromethane	100	nd	nd	nd	nd
Vinyl Chloride	13	nd	nd	nd	nd
Chloroethane	100	nd	nd	nd	nd
Trichlorofluoromethane	100	nd	nd	nd	nd
1,1-Dichloroethene	100	nd	nd	nd	nd
1,1,2-Trichloro-trifluoroethane	100	nd	nd	nd	nd
Methylene Chloride	100	nd	nd	nd	nd
trans-1,2-Dichloroethene	100	nd	nd	nd	nd
1,1-Dichloroethane	100	nd	nd	nd	nd
cis-1,2-Dichloroethene	100	nd	nd	nd	nd
Chloroform	100	nd	nd	nd	nd
1,1,1-Trichloroethane	100	nd	nd	nd	nd
Carbon Tetrachloride	25	nd	nd	nd	nd
1,2-Dichloroethane	45	nd	nd	nd	nd
Benzene	35	nd	nd	nd	nd
Trichloroethene	100	nd	nd	nd	nd
Toluene	200	nd	nd	nd	nd
1,1,2-Trichloroethane	100	nd	nd	nd	nd
Tetrachloroethene	100	nd	nd	nd	nd
Ethylbenzene	100	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	100	nd	nd	nd	nd
m,p-Xylene	200	nd	nd	nd	nd
o-Xylene	100	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	100	nd	nd	nd	nd
TPH - Gasoline	10000	nd	nd	nd	nd
1,1-Difluoroethane (leak check)	10000	nd	nd	nd	nd
Surrogate Recovery (DBFM)		93%	105%	103%	95%
Surrogate Recovery (1,2-DCA-d4)		80%	104%	106%	94%
Surrogate Recovery (1,4-BFB)		91%	108%	105%	109%

'RL' Indicates reporting limit at a dilution factor of 1
'nd' Indicates not detected at listed reporting limits

Analyses performed in TEG-Northern California's lab
Analyses performed by: Mr. Leif Jonsson and Mr. Lane Sharon

11350 Monier Park Place, Rancho Cordova, CA 95742 • Phone (916) 853-8010 • Fax (916) 853-8020

teg

Fugro Consultants, Inc.
Project # 0472120008 Phase 14
Mercury Cleaners
1419 16th Street, Sacramento, California

TEG Project #40104F

EPA Method 8260B VOC Analyses of SOIL VAPOR in micrograms per cubic meter of Vapor

SAMPLE NUMBER:		FB-1 SV	FB-1 SV	FB-1 SV	FB-2 SV	FB-2 SV dup	FB-3 SV
SAMPLE DEPTH (feet):		4.9	4.9	4.9	4.9	4.9	4.9
PURGE VOLUME:		1	3	10	10	10	10
COLLECTION DATE:		01/04/14	01/04/14	01/04/14	01/04/14	01/04/14	01/04/14
COLLECTION TIME:		10:30	10:56	11:24	11:58	11:58	12:46
DILUTION FACTOR (VOCs):		80	80	80	80	80	80
	RL						
Dichlorodifluoromethane	100	nd	nd	nd	nd	nd	nd
Vinyl Chloride	13	nd	nd	nd	nd	nd	nd
Chloroethane	100	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	100	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	100	nd	nd	nd	nd	nd	nd
1,1,2-Trichloro-trifluoroethane	100	nd	nd	nd	nd	nd	nd
Methylene Chloride	100	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	100	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	32000
Chloroform	100	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	100	nd	nd	nd	nd	nd	nd
Carbon Tetrachloride	25	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	45	nd	nd	nd	nd	nd	nd
Benzene	35	nd	nd	nd	nd	nd	nd
Trichloroethene	100	nd	nd	nd	nd	nd	13000
Toluene	200	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	100	nd	nd	nd	nd	nd	nd
Tetrachloroethene	100	100000	140000	150000	130000	110000	450000
Ethylbenzene	100	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd
m,p-Xylene	200	nd	nd	nd	nd	nd	nd
o-Xylene	100	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd
TPH - Gasoline	10000	nd	nd	nd	nd	nd	nd
1,1-Difluoroethane (leak check)	10000	nd	nd	nd	nd	nd	nd
Surrogate Recovery (DBFM)		88%	92%	101%	102%	98%	100%
Surrogate Recovery (1,2-DCA-d4)		81%	89%	105%	101%	98%	100%
Surrogate Recovery (1,4-BFB)		87%	94%	108%	105%	99%	103%

'RL' Indicates reporting limit at a dilution factor of 1
'nd' Indicates not detected at listed reporting limits

Analyses performed in TEG-Northern California's lab
Analyses performed by: Mr. Leif Jonsson and Mr. Lane Sharon

11350 Monier Park Place, Rancho Cordova, CA 95742 • Phone (916) 853-8010 • Fax (916) 853-8020

teg

Fugro Consultants, Inc.
Project # 0472120008 Phase 14
Mercury Cleaners
1419 16th Street, Sacramento, California

TEG Project #40104F

EPA Method 8260B VOC Analyses of SOIL VAPOR in micrograms per cubic meter of Vapor

SAMPLE NUMBER:		FB-4 SV	FB-5 SV	FB-6 SV	FB-7 SV	FB-8 SV	FB-9 SV
SAMPLE DEPTH (feet):		4.9	4.9	4.9	4.9	4.9	4.9
PURGE VOLUME:		10	10	10	10	10	10
COLLECTION DATE:		01/04/14	01/04/14	01/04/14	01/04/14	01/04/14	01/04/14
COLLECTION TIME:		13:14	13:42	14:10	14:34	14:58	15:22
DILUTION FACTOR (VOCs):		80	80	80	80	80	80
	RL						
Dichlorodifluoromethane	100	nd	nd	nd	nd	nd	nd
Vinyl Chloride	13	nd	nd	nd	nd	nd	nd
Chloroethane	100	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	100	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	100	nd	nd	nd	nd	nd	nd
1,1,2-Trichloro-trifluoroethane	100	nd	nd	nd	nd	nd	nd
Methylene Chloride	100	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	100	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	100	91000	140000	65000	140000	81000	250000
Chloroform	100	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	100	nd	nd	nd	nd	nd	nd
Carbon Tetrachloride	25	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	45	nd	nd	nd	nd	nd	nd
Benzene	35	nd	nd	nd	nd	nd	nd
Trichloroethene	100	58000	75000	27000	62000	41000	140000
Toluene	200	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	100	nd	nd	nd	nd	nd	nd
Tetrachloroethene	100	1200000	2200000	580000	890000	500000	1300000
Ethylbenzene	100	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd
m,p-Xylene	200	nd	nd	nd	nd	nd	nd
o-Xylene	100	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd
TPH - Gasoline	10000	nd	nd	nd	nd	nd	nd
1,1-Difluoroethane (leak check)	10000	nd	nd	nd	nd	nd	nd
Surrogate Recovery (DBFM)		96%	104%	102%	102%	97%	101%
Surrogate Recovery (1,2-DCA-d4)		102%	103%	102%	105%	101%	104%
Surrogate Recovery (1,4-BFB)		105%	107%	99%	104%	101%	103%

'RL' Indicates reporting limit at a dilution factor of 1
'nd' Indicates not detected at listed reporting limits

Analyses performed in TEG-Northern California's lab
Analyses performed by: Mr. Leif Jonsson and Mr. Lane Sharon

11350 Monier Park Place, Rancho Cordova, CA 95742 • Phone (916) 853-8010 • Fax (916) 853-8020

teg

Fugro Consultants, Inc.
Project # 0472120008 Phase 14
Mercury Cleaners
1419 16th Street, Sacramento, California

TEG Project #40104F

EPA Method 8260B VOC Analyses of SOIL VAPOR in micrograms per cubic meter of Vapor

SAMPLE NUMBER:		FB-10 SV	FB-11 SV	FB-12 SV	FB-13 SV	FB-13 SV dup	FB-14 SV
SAMPLE DEPTH (feet):		4.9	4.9	4.9	4.9	4.9	4.9
PURGE VOLUME:		10	10	10	10	10	10
COLLECTION DATE:		01/05/14	01/04/14	01/05/14	01/05/14	01/05/14	01/05/14
COLLECTION TIME:		08:40	16:10	09:05	09:30	09:30	10:20
DILUTION FACTOR (VOCs):		80	80	80	80	80	10
	RL						
Dichlorodifluoromethane	100	nd	nd	nd	nd	nd	nd
Vinyl Chloride	13	nd	nd	nd	nd	nd	nd
Chloroethane	100	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	100	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	100	nd	nd	nd	nd	nd	nd
1,1,2-Trichloro-trifluoroethane	100	nd	nd	nd	nd	nd	nd
Methylene Chloride	100	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	100	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	100	210000	17000	15000	28000	25000	nd
Chloroform	100	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	100	nd	nd	nd	nd	nd	nd
Carbon Tetrachloride	25	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	45	nd	nd	nd	nd	nd	nd
Benzene	35	nd	nd	nd	nd	nd	nd
Trichloroethene	100	120000	15000	15000	27000	23000	1000
Toluene	200	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	100	nd	nd	nd	nd	nd	nd
Tetrachloroethene	100	1400000	200000	140000	240000	210000	46000
Ethylbenzene	100	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd
m,p-Xylene	200	nd	nd	nd	nd	nd	nd
o-Xylene	100	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd
TPH - Gasoline	10000	nd	nd	nd	nd	nd	nd
1,1-Difluoroethane (leak check)	10000	nd	nd	nd	nd	nd	nd
Surrogate Recovery (DBFM)		98%	100%	103%	104%	99%	99%
Surrogate Recovery (1,2-DCA-d4)		93%	100%	94%	105%	98%	96%
Surrogate Recovery (1,4-BFB)		95%	106%	105%	107%	103%	103%

'RL' Indicates reporting limit at a dilution factor of 1
'nd' Indicates not detected at listed reporting limits

Analyses performed in TEG-Northern California's lab
Analyses performed by: Mr. Leif Jonsson and Mr. Lane Sharon

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Fugro Consultants, Inc.
Project # 0472120008 Phase 14
Mercury Cleaners
1419 16th Street, Sacramento, California

TEG Project #40104F

EPA Method 8260B VOC Analyses of SOIL VAPOR in micrograms per cubic meter of Vapor

SAMPLE NUMBER:		FB-15 SV	FB-16 SV	FB-17 SV	FB-18 SV	FB-19 SV	FB-22 SV
SAMPLE DEPTH (feet):		4.9	4.9	4.9	4.9	4.9	4.9
PURGE VOLUME:		10	10	10	10	10	10
COLLECTION DATE:		01/05/14	01/05/14	01/05/14	01/05/14	1/11/14	1/11/14
COLLECTION TIME:		10:45	11:06	11:32	11:57	10:54	12:27
DILUTION FACTOR (VOCs):		80	10	1	1	2	1
	RL						
Dichlorodifluoromethane	100	nd	nd	nd	nd	nd	nd
Vinyl Chloride	13	nd	nd	nd	nd	nd	nd
Chloroethane	100	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	100	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	100	nd	nd	nd	nd	nd	nd
1,1,2-Trichloro-trifluoroethane	100	nd	nd	nd	nd	nd	nd
Methylene Chloride	100	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	100	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	100	81000	nd	nd	nd	nd	nd
Chloroform	100	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	100	nd	nd	nd	nd	nd	nd
Carbon Tetrachloride	25	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	45	nd	nd	nd	nd	nd	nd
Benzene	35	nd	nd	nd	nd	nd	nd
Trichloroethene	100	32000	nd	170	nd	nd	160
Toluene	200	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	100	nd	nd	nd	nd	nd	nd
Tetrachloroethene	100	400000	37000	7400	4100	750	5900
Ethylbenzene	100	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd
m,p-Xylene	200	nd	nd	nd	nd	nd	nd
o-Xylene	100	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd
TPH - Gasoline	10000	nd	nd	nd	nd	nd	nd
1,1-Difluoroethane (leak check)	10000	nd	nd	nd	nd	nd	nd
Surrogate Recovery (DBFM)		101%	98%	94%	97%	103%	114%
Surrogate Recovery (1,2-DCA-d4)		91%	100%	95%	92%	106%	115%
Surrogate Recovery (1,4-BFB)		98%	105%	101%	100%	106%	105%

'RL' Indicates reporting limit at a dilution factor of 1
'nd' Indicates not detected at listed reporting limits

Analyses performed in TEG-Northern California's lab
Analyses performed by: Mr. Leif Jonsson and Mr. Lane Sharon

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Fugro Consultants, Inc.
Project # 0472120008 Phase 14
Mercury Cleaners
1419 16th Street, Sacramento, California

TEG Project #40104F

EPA Method 8260B VOC Analyses of SOIL VAPOR in micrograms per cubic meter of Vapor

SAMPLE NUMBER:		FB-22 SV dup	FB-23 SV	FB-24 SV	FB-25 SV	FB-25 SV dup
SAMPLE DEPTH (feet):		4.9	4.9	4.9	4.9	4.9
PURGE VOLUME:		10	10	10	10	10
COLLECTION DATE:		1/11/14	1/11/14	1/11/14	1/12/14	1/12/14
COLLECTION TIME:		12:27	11:40	11:17	11:36	11:36
DILUTION FACTOR (VOCs):		1	20	1	2	2
	RL					
Dichlorodifluoromethane	100	nd	nd	nd	nd	nd
Vinyl Chloride	13	nd	nd	nd	nd	nd
Chloroethane	100	nd	nd	nd	nd	nd
Trichlorofluoromethane	100	nd	nd	nd	nd	nd
1,1-Dichloroethene	100	nd	nd	nd	nd	nd
1,1,2-Trichloro-trifluoroethane	100	nd	nd	nd	nd	nd
Methylene Chloride	100	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	100	nd	nd	nd	nd	nd
1,1-Dichloroethane	100	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	100	nd	11000	660	3200	3200
Chloroform	100	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	100	nd	nd	nd	nd	nd
Carbon Tetrachloride	25	nd	nd	nd	nd	nd
1,2-Dichloroethane	45	nd	nd	nd	nd	nd
Benzene	35	nd	nd	nd	nd	nd
Trichloroethene	100	190	7500	1000	3700	3900
Toluene	200	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	100	nd	nd	nd	nd	nd
Tetrachloroethene	100	7200	390000	22000	25000	26000
Ethylbenzene	100	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	100	nd	nd	nd	nd	nd
m,p-Xylene	200	nd	nd	nd	nd	nd
o-Xylene	100	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	100	nd	nd	nd	nd	nd
TPH - Gasoline	10000	nd	nd	nd	nd	nd
1,1-Difluoroethane (leak check)	10000	nd	nd	nd	nd	nd
Surrogate Recovery (DBFM)		96%	107%	105%	102%	102%
Surrogate Recovery (1,2-DCA-d4)		98%	99%	110%	104%	103%
Surrogate Recovery (1,4-BFB)		106%	104%	107%	105%	105%

'RL' Indicates reporting limit at a dilution factor of 1
'nd' Indicates not detected at listed reporting limits

Analyses performed in TEG-Northern California's lab
Analyses performed by: Mr. Leif Jonsson and Mr. Lane Sharon

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Fugro Consultants, Inc.
Project # 0472120008 Phase 14
Mercury Cleaners
1419 16th Street, Sacramento, California

TEG Project #40104F

TPH-diesel (EPA method 8015m)
Analyses of SOIL VAPOR in micrograms per cubic meter of Vapor

SAMPLE NUMBER	SAMPLE DEPTH (feet)	COLLECTION DATE	COLLECTION TIME	TPH - Diesel
			Reporting Limit:	50000
Blank		01/04/14	09:06	nd
Blank		01/05/14	08:00	nd
FB-1 SV	4.9	01/04/14	11:24	nd
FB-3 SV	4.9	01/04/14	12:46	nd
FB-4 SV	4.9	01/04/14	13:14	nd
FB-5 SV	4.9	01/04/14	13:42	nd
FB-6 SV	4.9	01/04/14	14:10	nd
FB-7 SV	4.9	01/04/14	14:34	nd
FB-10 SV	4.9	01/04/14	15:45	nd
FB-11 SV	4.9	01/04/14	16:10	nd
FB-15 SV	4.9	01/05/14	10:45	nd
FB-16 SV	4.9	01/05/14	11:06	nd

'nd' Indicates not detected at listed reporting limit

Analyses performed in TEG-Northern California's lab
Analyses performed by: Mr. Lane Sharon

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Project # 0472120008 Phase 14
Mercury Cleaners
1419 16th Street, Sacramento, California

TEG Project #40104F

CALIBRATION DATA - Calibration Check Compounds

	Vinyl Chloride	1,1 DCE	Chloroform	1,2 DCP	Toluene	Ethylbenzene
Midpoint	10.0	10.0	10.0	10.0	10.0	10.0
Continuing Calibration - Midpoint						
1/04/14	9.7	9.6	10.0	10.3	10.9	10.2
	97%	96%	100%	103%	109%	102%
1/05/14	10.0	10.3	10.7	11.6	11.7	11.5
	100%	103%	107%	116%	117%	115%
1/11/14	9.3	9.6	10.2	10.7	10.2	9.7
	93%	96%	102%	107%	102%	97%
1/12/14	10.1	10.3	10.1	10.5	10.6	11.1
	101%	103%	101%	105%	106%	111%

teg

TEG Northern California Inc.

27 January 2014

Ms. Jeriann Alexander
Fugro Consultants, Inc.
2420 Del Paso Road, Suite 250
Sacramento, CA 95834

SUBJECT: DATA REPORT - Fugro Consultants, Inc. Project # 0472120008 Phase 14
Mercury Cleaners / 1419 16th Street, Sacramento, California

TEG Project # 40104F

Ms. Alexander:

Please find enclosed a data report for the samples analyzed from the above referenced project for Fugro Consultants, Inc. The samples were analyzed on site in TEG's mobile laboratory. TEG conducted a total of 22 analyses on 15 water samples.

-- 15 analyses on waters for volatile organic hydrocarbons, and total petroleum hydrocarbons-gasoline by EPA method 8260B.

-- 7 analyses on waters for total petroleum hydrocarbons-diesel by EPA method mod8015.

The results of the analyses are summarized in the enclosed tables. Applicable detection limits and QA/QC data are included in the tables.

TEG appreciates the opportunity to have provided analytical services to Fugro Consultants, Inc. on this project. If you have any further questions relating to these data or report, please do not hesitate to contact us.

Sincerely,

Mark Jerpbak
Director, TEG-Northern California

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TEG Project #40104F

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Fugro Consultants, Inc.
Project # 0472120008 Phase 14
Mercury Cleaners
1419 16th Street, Sacramento, California

EPA Method 8260B Analyses of WATER in ug/L

SAMPLE NUMBER:		Blank	Blank	FB-1	FB-3	FB-5	FB-8
COLLECTION DATE:				1/11/14	1/11/14	1/11/14	1/12/14
ANALYSIS DATE:		1/11/14	1/12/14	1/11/14	1/11/14	1/11/14	1/12/14
DILUTION FACTOR:		1	1	5	100	100	50
	RL						
Dichlorodifluoromethane	1.0	nd	nd	nd	nd	nd	nd
Chloromethane	1.0	nd	nd	nd	nd	nd	nd
Vinyl Chloride	1.0	nd	nd	nd	nd	nd	nd
Bromomethane	1.0	nd	nd	nd	nd	nd	nd
Chloroethane	1.2	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	1.0	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	1.0	nd	nd	nd	nd	nd	nd
Methylene Chloride	1.0	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	1.0	nd	nd	6.3	nd	170	nd
1,1-Dichloroethane	1.0	nd	nd	nd	nd	nd	nd
2,2-Dichloropropane	1.0	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	1.0	nd	nd	930	5300	32000	370
Chloroform	1.0	nd	nd	nd	nd	nd	nd
Bromochloromethane	1.0	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	1.0	nd	nd	nd	nd	nd	nd
1,1-Dichloropropene	1.0	nd	nd	nd	nd	nd	nd
Carbon Tetrachloride	1.0	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	1.0	nd	nd	nd	nd	nd	nd
Benzene	1.0	nd	nd	nd	nd	nd	nd
Trichloroethene	1.0	nd	nd	16	430	5900	150
1,2-Dichloropropane	1.0	nd	nd	nd	nd	nd	nd
Bromodichloromethane	1.0	nd	nd	nd	nd	nd	nd
Dibromomethane	1.0	nd	nd	nd	nd	nd	nd
cis-1,3-Dichloropropene	1.0	nd	nd	nd	nd	nd	nd
Toluene	1.0	nd	nd	nd	nd	nd	nd
trans-1,3-Dichloropropene	1.0	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	1.0	nd	nd	nd	nd	nd	nd
1,2-Dibromoethane	1.0	nd	nd	nd	nd	nd	nd
1,3-Dichloropropane	1.0	nd	nd	nd	nd	nd	nd
Tetrachloroethene	1.0	nd	nd	29	720	4300	1500
Dibromochloromethane	1.0	nd	nd	nd	nd	nd	nd
Chlorobenzene	1.0	nd	nd	nd	nd	nd	nd
Ethylbenzene	1.0	nd	nd	5.3	nd	nd	nd
1,1,1,2-Tetrachloroethane	1.0	nd	nd	nd	nd	nd	nd
m,p-Xylene	1.0	nd	nd	nd	nd	nd	nd
o-Xylene	1.0	nd	nd	nd	nd	nd	nd
Styrene	1.0	nd	nd	nd	nd	nd	nd
Bromoform	1.0	nd	nd	nd	nd	nd	nd
Isopropylbenzene	1.0	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	1.0	nd	nd	nd	nd	nd	nd
1,2,3-Trichloropropane	1.0	nd	nd	nd	nd	nd	nd
n-propylbenzene	1.0	nd	nd	6.0	nd	nd	nd
Bromobenzene	1.0	nd	nd	nd	nd	nd	nd
1,3,5-Trimethylbenzene	1.0	nd	nd	nd	nd	nd	nd
2-Chlorotoluene	1.0	nd	nd	nd	nd	nd	nd
4-Chlorotoluene	1.0	nd	nd	nd	nd	nd	nd
tert-Butylbenzene	1.0	nd	nd	nd	nd	nd	nd
1,2,4-Trimethylbenzene	1.0	nd	nd	nd	nd	110	nd
sec-Butylbenzene	1.0	nd	nd	nd	nd	nd	nd
p-Isopropyltoluene	1.0	nd	nd	nd	nd	nd	nd
1,3-Dichlorobenzene	1.0	nd	nd	nd	nd	nd	nd
1,4-Dichlorobenzene	1.0	nd	nd	nd	nd	nd	nd
n-Butylbenzene	1.0	nd	nd	nd	nd	nd	nd
1,2-Dichlorobenzene	1.0	nd	nd	nd	nd	nd	nd
1,2-Dibromo-3-chloropropane	1.0	nd	nd	nd	nd	nd	nd
1,2,4-Trichlorobenzene	1.0	nd	nd	nd	nd	nd	nd
Hexachlorobutadiene	1.0	nd	nd	nd	nd	nd	nd
Naphthalene	1.0	nd	nd	nd	nd	nd	nd
1,2,3-Trichlorobenzene	1.0	nd	nd	nd	nd	nd	nd
TPH-gasoline range (C5-C11)	50	nd	nd	5100*	57000*	210000*	nd
Surrogate Recovery (DBFM)		104%	99%	98%	90%	93%	104%
Surrogate Recovery (1,2-DCA-d4)		103%	96%	104%	96%	102%	107%
Surrogate Recovery (1,4-BFB)		106%	108%	107%	106%	104%	107%

'RL' Indicates reporting limit at a dilution factor of 1
'nd' Indicates not detected at listed reporting limits
' * ' Indicates not typical gasoline chromatographic pattern; predominantly late eluting compounds

Analyses performed by: Mr. Leif Jonsson

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TEG Project #40104F

Fugro Consultants, Inc.
Project # 0472120008 Phase 14
Mercury Cleaners
1419 16th Street, Sacramento, California

EPA Method 8260B Analyses of WATER in ug/L

SAMPLE NUMBER:		FB-9	FB-10	FB-12	FB-14	FB-15	FB-17
COLLECTION DATE:		1/12/14	1/12/14	1/12/14	1/11/14	1/06/14	1/12/14
ANALYSIS DATE:		1/12/14	1/12/14	1/12/14	1/11/14	1/11/14	1/12/14
DILUTION FACTOR:		100	100	5	1	100	1
	RL						
Dichlorodifluoromethane	1.0	nd	nd	nd	nd	nd	nd
Chloromethane	1.0	nd	nd	nd	nd	nd	nd
Vinyl Chloride	1.0	nd	nd	nd	nd	nd	nd
Bromomethane	1.0	nd	nd	nd	nd	nd	nd
Chloroethane	1.2	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	1.0	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	1.0	nd	nd	nd	nd	nd	nd
Methylene Chloride	1.0	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	1.0	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	1.0	nd	nd	nd	nd	nd	nd
2,2-Dichloropropane	1.0	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	1.0	1200	11000	150	100	12000	27
Chloroform	1.0	nd	nd	nd	nd	nd	8.3
Bromochloromethane	1.0	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	1.0	nd	nd	nd	nd	nd	nd
1,1-Dichloropropene	1.0	nd	nd	nd	nd	nd	nd
Carbon Tetrachloride	1.0	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	1.0	nd	nd	nd	nd	nd	nd
Benzene	1.0	nd	nd	nd	nd	nd	nd
Trichloroethene	1.0	700	3700	62	29	150	25
1,2-Dichloropropane	1.0	nd	nd	nd	nd	nd	nd
Bromodichloromethane	1.0	nd	nd	nd	nd	nd	nd
Dibromomethane	1.0	nd	nd	nd	nd	nd	nd
cis-1,3-Dichloropropene	1.0	nd	nd	nd	nd	nd	nd
Toluene	1.0	nd	nd	nd	nd	nd	nd
trans-1,3-Dichloropropene	1.0	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	1.0	nd	nd	nd	nd	nd	nd
1,2-Dibromoethane	1.0	nd	nd	nd	nd	nd	nd
1,3-Dichloropropane	1.0	nd	nd	nd	nd	nd	nd
Tetrachloroethene	1.0	3100	6600	760	220	200	270
Dibromochloromethane	1.0	nd	nd	nd	nd	nd	nd
Chlorobenzene	1.0	nd	nd	nd	nd	nd	nd
Ethylbenzene	1.0	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	1.0	nd	nd	nd	nd	nd	nd
m,p-Xylene	1.0	nd	nd	nd	nd	nd	nd
o-Xylene	1.0	nd	nd	nd	nd	nd	nd
Styrene	1.0	nd	nd	nd	nd	nd	nd
Bromoform	1.0	nd	nd	nd	nd	nd	nd
Isopropylbenzene	1.0	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	1.0	nd	nd	nd	nd	nd	nd
1,2,3-Trichloropropane	1.0	nd	nd	nd	nd	nd	nd
n-propylbenzene	1.0	nd	nd	nd	nd	nd	nd
Bromobenzene	1.0	nd	nd	nd	nd	nd	nd
1,3,5-Trimethylbenzene	1.0	nd	nd	nd	nd	nd	nd
2-Chlorotoluene	1.0	nd	nd	nd	nd	nd	nd
4-Chlorotoluene	1.0	nd	nd	nd	nd	nd	nd
tert-Butylbenzene	1.0	nd	nd	nd	nd	nd	nd
1,2,4-Trimethylbenzene	1.0	nd	nd	nd	nd	nd	nd
sec-Butylbenzene	1.0	nd	230	nd	nd	nd	nd
p-Isopropyltoluene	1.0	nd	nd	nd	nd	nd	nd
1,3-Dichlorobenzene	1.0	nd	nd	nd	nd	nd	nd
1,4-Dichlorobenzene	1.0	nd	nd	nd	nd	nd	nd
n-Butylbenzene	1.0	nd	nd	nd	nd	nd	nd
1,2-Dichlorobenzene	1.0	nd	nd	nd	nd	nd	nd
1,2-Dibromo-3-chloropropane	1.0	nd	nd	nd	nd	nd	nd
1,2,4-Trichlorobenzene	1.0	nd	nd	nd	nd	nd	nd
Hexachlorobutadiene	1.0	nd	nd	nd	nd	nd	nd
Naphthalene	1.0	nd	nd	nd	nd	nd	nd
1,2,3-Trichlorobenzene	1.0	nd	nd	nd	nd	nd	nd
TPH-gasoline range (C5-C11)	50	nd	560000*	nd	nd	24000*	nd
Surrogate Recovery (DBFM)		101%	96%	103%	97%	106%	97%
Surrogate Recovery (1,2-DCA-d4)		105%	104%	106%	107%	108%	98%
Surrogate Recovery (1,4-BFB)		108%	112%	107%	112%	105%	109%

'RL' Indicates reporting limit at a dilution factor of 1
'nd' Indicates not detected at listed reporting limits
' * ' Indicates not typical gasoline chromatographic pattern; predominantly late eluting compounds

Analyses performed by: Mr. Leif Jonsson

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TEG Project #40104F

Fugro Consultants, Inc.
Project # 0472120008 Phase 14
Mercury Cleaners
1419 16th Street, Sacramento, California

EPA Method 8260B Analyses of WATER in ug/L

SAMPLE NUMBER:		FB-18	FB-19	FB-21	FB-22	FB-26
COLLECTION DATE:		1/12/14	1/06/14	1/07/14	1/11/14	1/12/14
ANALYSIS DATE:		1/12/14	1/11/14	1/11/14	1/11/14	1/12/14
DILUTION FACTOR:		1	1	5	5	1
	RL					
Dichlorodifluoromethane	1.0	nd	nd	nd	nd	nd
Chloromethane	1.0	nd	nd	nd	nd	nd
Vinyl Chloride	1.0	nd	nd	nd	nd	nd
Bromomethane	1.0	nd	nd	nd	nd	nd
Chloroethane	1.2	nd	nd	nd	nd	nd
Trichlorofluoromethane	1.0	nd	nd	nd	nd	nd
1,1-Dichloroethene	1.0	nd	nd	nd	nd	nd
Methylene Chloride	1.0	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	1.0	nd	2.4	nd	5.0	nd
1,1-Dichloroethane	1.0	nd	nd	nd	nd	nd
2,2-Dichloropropane	1.0	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	1.0	15	160	280	1000	150
Chloroform	1.0	2.4	nd	nd	nd	9.2
Bromochloromethane	1.0	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	1.0	nd	nd	nd	nd	nd
1,1-Dichloropropene	1.0	nd	nd	nd	nd	nd
Carbon Tetrachloride	1.0	nd	nd	nd	nd	nd
1,2-Dichloroethane	1.0	nd	nd	nd	nd	nd
Benzene	1.0	nd	nd	nd	nd	nd
Trichloroethene	1.0	6.0	3.5	70	270	37
1,2-Dichloropropane	1.0	nd	nd	nd	nd	nd
Bromodichloromethane	1.0	nd	nd	nd	nd	nd
Dibromomethane	1.0	nd	nd	nd	nd	nd
cis-1,3-Dichloropropene	1.0	nd	nd	nd	nd	nd
Toluene	1.0	nd	nd	nd	nd	nd
trans-1,3-Dichloropropene	1.0	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	1.0	nd	nd	nd	nd	nd
1,2-Dibromoethane	1.0	nd	nd	nd	nd	nd
1,3-Dichloropropane	1.0	nd	nd	nd	nd	nd
Tetrachloroethene	1.0	99	6.1	200	620	300
Dibromochloromethane	1.0	nd	nd	nd	nd	nd
Chlorobenzene	1.0	nd	nd	nd	nd	nd
Ethylbenzene	1.0	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	1.0	nd	nd	nd	nd	nd
m,p-Xylene	1.0	nd	nd	nd	nd	nd
o-Xylene	1.0	nd	nd	nd	nd	nd
Styrene	1.0	nd	nd	nd	nd	nd
Bromoform	1.0	nd	nd	nd	nd	nd
Isopropylbenzene	1.0	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	1.0	nd	nd	nd	nd	nd
1,2,3-Trichloropropane	1.0	nd	nd	nd	nd	nd
n-propylbenzene	1.0	nd	nd	nd	nd	nd
Bromobenzene	1.0	nd	nd	nd	nd	nd
1,3,5-Trimethylbenzene	1.0	nd	nd	nd	nd	nd
2-Chlorotoluene	1.0	nd	nd	nd	nd	nd
4-Chlorotoluene	1.0	nd	nd	nd	nd	nd
tert-Butylbenzene	1.0	nd	nd	nd	nd	nd
1,2,4-Trimethylbenzene	1.0	nd	nd	nd	nd	nd
sec-Butylbenzene	1.0	nd	3.0	nd	nd	nd
p-Isopropyltoluene	1.0	nd	nd	nd	nd	nd
1,3-Dichlorobenzene	1.0	nd	nd	nd	nd	nd
1,4-Dichlorobenzene	1.0	nd	nd	nd	nd	nd
n-Butylbenzene	1.0	nd	nd	nd	nd	nd
1,2-Dichlorobenzene	1.0	nd	nd	nd	nd	nd
1,2-Dibromo-3-chloropropane	1.0	nd	nd	nd	nd	nd
1,2,4-Trichlorobenzene	1.0	nd	nd	nd	nd	nd
Hexachlorobutadiene	1.0	nd	nd	nd	nd	nd
Naphthalene	1.0	nd	nd	nd	nd	nd
1,2,3-Trichlorobenzene	1.0	nd	nd	nd	nd	nd
TPH-gasoline range (C5-C11)	50	nd	11000*	1500*	2300*	nd
Surrogate Recovery (DBFM)		106%	103%	105%	103%	104%
Surrogate Recovery (1,2-DCA-d4)		110%	103%	98%	93%	106%
Surrogate Recovery (1,4-BFB)		116%	96%	108%	112%	107%

'RL' Indicates reporting limit at a dilution factor of 1
'nd' Indicates not detected at listed reporting limits
' * ' Indicates not typical gasoline chromatographic pattern; predominantly late eluting compounds

Analyses performed by: Mr. Leif Jonsson

11350 Monier Park Place, Rancho Cordova, CA 95742 • Phone (916) 853-8010 • Fax (916) 853-8020

teg

Fugro Consultants, Inc.
Project # 0472120008 Phase 14
Mercury Cleaners
1419 16th Street, Sacramento, California

TEG Project #40104F

QA/QC Data - Matrix Spike Analyses / LCS - WATER

SAMPLE NUMBER	DATE ANALYZED	1,1 DCE ug/l	Benzene ug/l	Trichloroethene ug/l	Toluene ug/l	Chlorobenzene ug/l
FB-19						
Spiked Conc.	1/11/14	25.0	25.0	25.0	25.0	25.0
Measured Conc.		25.3	24.9	24.9	24.1	28.7
% Recovery		101%	100%	100%	96%	115%
Spiked Conc.	1/11/14	25.0	25.0	25.0	25.0	25.0
Measured Conc.		27.1	27.5	26.2	26.1	30.1
% Recovery		108%	110%	105%	104%	120%
RPD		6.9%	9.9%	5.1%	8.0%	4.8%
LCS						
Spiked Conc.	1/11/14	25.0	25.0	25.0	25.0	25.0
Measured Conc.		25.6	27.8	26.0	26.8	31.7
% Recovery		102%	111%	104%	107%	127%
FB-17						
Spiked Conc.	1/12/14	25.0	25.0	25.0	25.0	25.0
Measured Conc.		25.4	26.9	23.6	26.6	29.4
% Recovery		102%	108%	94%	106%	118%
Spiked Conc.	1/12/14	25.0	25.0	25.0	25.0	25.0
Measured Conc.		25.5	27.7	25.7	27.1	27.7
% Recovery		102%	111%	103%	108%	111%
RPD		0.4%	2.9%	8.5%	1.9%	6.0%
LCS						
Spiked Conc.	1/12/14	25.0	25.0	25.0	25.0	25.0
Measured Conc.		25.0	27.3	26.0	26.6	28.5
% Recovery		100%	109%	104%	106%	114%

Acceptable RPD Limit = 25%

teg

Fugro Consultants, Inc.
Project # 0472120008 Phase 14
Mercury Cleaners
1419 16th Street, Sacramento, California

TEG Project #40104F

TPH (EPA mod8015) Analyses of WATERS

SAMPLE NUMBER	DATE SAMPLED	DATE ANALYZED	TPH Diesel range
BLANK		1/12/12	nd
FB-1	1/11/12	1/12/12	nd
FB-3	1/11/12	1/12/12	8400*
FB-5	1/11/12	1/12/12	19000*
FB-8	1/12/12	1/12/12	nd
FB-9	1/12/12	1/12/12	nd
FB-10	1/12/12	1/12/12	49000*
FB-12	1/12/12	1/12/12	nd
Reporting Limits			500

'nd' Indicates not detected at listed reporting limit
Diesel range includes C12-C24
' * ' Indicates not typical diesel chromatographic pattern; predominantly early eluting compounds

Analyses performed in TEG-Northern California's lab
Analyses performed by: Mr. Leif Jonsson

11350 Monier Park Place, Rancho Cordova, CA 95742 • Phone (916) 853-8010 • Fax (916) 853-8020

TEG Project #40104F

QA/QC Data - Matrix Spike Analyses / LCS - WATERS

SAMPLE NUMBER		DATE ANALYZED	Diesel ug/L
FB-1			
	Spiked Conc.	1/12/12	2500
	Measured Conc.		2550
	% Recovery		102%
	Spiked Conc.	1/12/12	2500
	Measured Conc.		2890
	% Recovery		116%
	RPD		12%
LCS			
	Spiked Conc.	1/12/12	2500
	Measured Conc.		2870
	% Recovery		115%

Acceptable RPD Limit = 30%

TEG Northern California, Inc.

11350 Monier Park Place
Rancho Cordova, CA 95742

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Chain of Custody Record

Page: 1 of 1

Client: Fugro Consultants, Inc
Address: 1000 Broadway Suite 440
Oakland, CA 94607
Phone: Fax:

Project Manager: Jeri Alexander E-Mail:
TEG Project #: 40104F Client Project #: 0472120008 Phase 14
Location: Mecury Cleaners 1419 16th St. Sacramento, CA
Collector: Karen Emery Date of Collection: 1/6/14, 1/7/14, 1/11/14

Sample Designation	Depth	Date / Time	Sample Matrix	Container Type	EPA 8260B (Full List)	EPA 8260B (DTSC List)	EPA 8260B (BTEX & MTBE)	5 Oxygenates (8260B)	5 Oxygenates, BTEX (8260B)	TPH gasoline (8260)	TPH 8015mod (gas)	TPH 8015mod (diesel)	TPH 8015mod (motor oil)						Field Notes	# of containers
FB-15		1/6/14 1110	Water	VOA	X					X									Hot	3
FB-19		1/6/14 1430	Water		X					X										3
FB-21		1/7/14 1410	Water		X					X										3
FB-22		1/11/14 1200			X					X		X ~~TB~~	1/12/14							9
FB-1		1215			X					X		X								9
FB-5		1230			X					X		X								9
FB-3		1400			X					X		X								9
FB-14		1425			X					X		X ~~TB~~	1/12/14							9
END																				

Relinquished by:	Date / Time	Received by	Date / Time
Karen Emery	1/11/14 16:45	[signature]	1/11/14 1645
Relinquished by:	Date / Time	Received by	Date / Time
Relinquished by:	Date / Time	Received by	Date / Time

Sample Receipt:

Good Condition?	good
Cold?	NA
Seals Intact?	NA
Total Number of Containers	

Remarks:

Distribution: White - Lab, Yellow - File, Pink - Originator

Sample disposal instructions: __ *Return to client* __ *Pickup*

TEG Northern California, Inc.

11350 Monier Park Place
Rancho Cordova, CA 95742

Ph: 916.853.8010
Fax: 916.853.8020

Chain of Custody Record

Page: 1 of 1

Client: Fugro Consultants, Inc.
Address: 1000 Broadway, Suite 440
Oakland, CA 94607
Phone: Fax:

Project Manager: Jeri Alexander E-Mail:
TEG Project #: 40104F Client Project #:
Location: Mercury Cleaners 1419 16th St. Sacramento, CA
Collector: Mike D'Amra Date of Collection: 1/12/14

Sample Designation	Depth	Date / Time	Sample Matrix	Container Type	EPA 8260B (Full List)	EPA 8260B (DTSC List)	EPA 8260B (BTEX & MTBE)	5 Oxygenates (8260B)	5 Oxygenates, BTEX (8260B)	TPH gasoline (8260)	TPH 8015mod (gas)	TPH 8015mod (diesel)	TPH 8015mod (motor oil)						Field Notes	# of containers
FB-17		1/12/14 915	H_2O	VOA	X					X										2
FB-18		1030	↓	↓	X					X										2
FB-9		1143			X					X		X								2
FB-26		1145			X					X										2
FB-8		1200			X					X		X								2
FB-12		1415			X					X		X								2
FB-10		1530	↓	↓	X					X		X								2
END																				

Relinquished by:	Date / Time	Received by	Date / Time
[signature]	1/12/14 1630	[signature]	1/12/14 1630
Relinquished by:	Date / Time	Received by	Date / Time
Relinquished by:	Date / Time	Received by	Date / Time

Sample Receipt:

Good Condition?	yes
Cold?	NA
Seals Intact?	NA
Total Number of Containers	

Remarks:

Distribution: White - Lab, Yellow - File, Pink - Originator

Sample disposal instructions: ***__ Return to client __ Pickup***

Soil Vapor Sample Record

TEG Northern California, Inc.
11350 Monier Park Place Ph: 916.853.8010
Rancho Cordova, CA 95742 Fax: 916.853.8020

Page: 1 of 1

Client: Fugro Consultants, Inc. Project Manager: Jeri Alexander
Address: 1000 Broadway, Suite 440 Final Report To: Jeri Alexander
Oakland, California 94607 Client Project #: 0472120008 Phase 14
Phone: (510) 267-4469 Fax: (510) 268-0545 Email: mdanna@fugro.com

TEG Project #: 40104F Client Project Name: Mercury Cleaners
Location: 1419 16th Street Sacramento, California
Collector: LS Date of Collection: 01/04/2014

1PV = 90
3 PV = 269
10 PV = 896
1 in Boring diamet
12 in Sand Pack
8 ft Tubing (1/4 in Teflon)

Sample Designation	Depth	Time Set	Sample Time	Container Type	EPA 8260 DTSC List	TPH Gas EPA 8260b	Diesel	Leak Cmpd. (1,1-DFA)	Purge Volumes	Field Notes	
Probe Blank	–	–	0906	Syringe	X	X	X	X	–		
FB-1SV	4.9	0917	1030		X	X		X	1	PID = 14ppm	80:1
FB-1SV	4.9	0917	1056		X	X		X	3		80:1
FB-1SV	4.9	0917	1124		X	X	X	X	10		80:1
FB-2SV	4.9	0945	1158		X	X		X	10	PID = 14.5ppm	80:1
FB-2SV dup	4.9	0945	1158		X	X		X	10		80:1
FB-3SV	4.9	1005	1246		X	X	X	X	10	PID = 60ppm	80:1
FB-4SV	4.9	1028	1314		X	X	X	X	10	PID = 147ppm	80:1
FB-5SV	4.9	1040	1342		X	X	X	X	10	PID = 290ppm	80:1
FB-6SV	4.9	1116	1410		X	X	X	X	10	PID = 68ppm	
FB-7SV	4.9	1128	1434		X	X	X	X	10	PID = 145ppm	
FB-8SV	4.9	~~1232~~ 1222	1458		X	X		X	10	PID = 126ppm	
FB-9SV	4.9	~~1247~~ 1232	1522		X	X		X	10	PID = 208ppm	
FB-10SV	4.9	1241	1545		X	X	X	X	10	GC/MS Did Not Work - See Rerun TPH-D RUN OK	
FB-11SV	4.9	1305	1610		X	X	X	X	10	PID = 17	
END											
LS											

Collector: Lane Sharon
Date / Time: 01/04/2014 1645

Remarks:
* Client instructed the use of 10PV.
* All points equilibrated @ least 2.0 hours.

Soil Vapor Sample Record

TEG Northern California, Inc.
11350 Monier Park Place Ph: 916.853.8010
Rancho Cordova, CA 95742 Fax: 916.853.8020

Page: 1 of 1

Client: Fugro Consultants, Inc.
Address: 1000 Broadway, Suite 440
Oakland, California 94607
Phone: (510) 267-4469 Fax: (510) 268-0545

Project Manager: Jeri Alexander
Final Report To: Jeri Alexander
Client Project #: 0472120008 Phase 14
Email: mdanna@fugro.com

TEG Project #: 40104F
Client Project Name: Mercury Cleaners
Location: 1419 16th Street Sacramento, California
Collector: LS
Date of Collection: 01/05/2014

Sample Designation	Depth	Time Set	Sample Time	Container Type	EPA 8260 DTSC List	TPH Gas EPA 8260b	Diesel	Leak Cmpd. (1,1-DFA)	Purge Volumes	Field Notes
Syringe Blank	–	–	0800	Syringe	X	X	X	X	–	
FB-10 SV	4.9	*	0840		X	X		X	10	Diesel Run Previous day PID=178 80:1
FB-12SV	4.9	*	0905		X	X		X	10	PID=15 80:1
FB-13SV	4.9	*	0930		X	X		X	10	PID=25 80:1
FB-13SV dup	4.9	*	0930		X	X		X	10	PID=25 80:1
FB-14SV	4.9	0847	1020		X	X		X	10	PID=4.5 10:1
FB-15SV	4.9	0935	1045		X	X	X	X	10	PID=57 80:1
FB-16SV	4.9	0953	1106		X	X	X	X	10	PID=2.0 Dont Trust PID 10:1
FB-17SV	4.9	1030	1132		X	X		X	10	PID≥1 1:1
FB-18SV	4.9	1047	1157		X	X		X	10	PID≥1 1:1
END										

Collector: Lane Sheron
Date / Time: 01/05/2014 13:00

Remarks: * Annotates Point Installed Previous Day
– All points equilibrated at least 30 minutes.

Soil Vapor Sample Record

TEG Northern California, Inc.
11350 Monier Park Place Ph: 916.853.8010
Rancho Cordova, CA 95742 Fax: 916.853.8020

Page: 1 of 1

Client: Fugro Consultants, Inc.
Address: 1000 Broadway, Suite 440
Oakland, California 94607
Phone: (510) 267-4469 Fax: (510) 268-0545

Project Manager: Jeri Alexander
Final Report To: Jeri Alexander
Client Project #: 0472120008 Phase 14
Email: mdanna@fugro.com

TEG Project #: 40104F
Client Project Name: Mercury Cleaners
Location: 1419 16th Street Sacramento, California
Collector: LJ
Date of Collection: 1-11-14

Sample Designation	Depth	Time Set	Sample Time	Container Type	EPA 8260 DTSC List	TPH Gas EPA 8260b	Diesel	Leak Cmpd. (1,1-DFA)	Purge Volumes	Field Notes
Probe Blank	—	—	0943	Syringe	X	X		X	—	
~~FB-19SV~~	~~4.9~~	~~839~~	~~1014~~		~~X~~	~~X~~		~~X~~	~~10~~	~~10 PV - 495~~
FB-19SV	4.9	839	1054		X	X		X	10	re-sampled
FB-24 SV	4.9	919	1117		X	X		X	10	
FB-23 SV	4.9	937	1140		X	X		X	10	
FB-22 SV	4.9	1037	1227		X	X		X	10	
FB-22 SV dup	4.9	1037	1227		X	X		X	10	
END										

Collector: [signature]
Date / Time: 1/11/14 1500

Remarks: USED 10 PV from previous PV test

Soil Vapor Sample Record

TEG Northern California, Inc.
11350 Monier Park Place Ph: 916.853.8010
Rancho Cordova, CA 95742 Fax: 916.853.8020

Page: 1 of 1

Client: Fugro Consultants, Inc.
Address: 1000 Broadway, Suite 440
Oakland, California 94607
Phone: (510) 267-4469 Fax: (510) 268-0545

Project Manager: Jeri Alexander
Final Report To: Jeri Alexander
Client Project #: 0472120008 Phase 14
Email: mdanna@fugro.com

TEG Project #: 40104F
Client Project Name: Mercury Cleaners
Location: 1419 16th Street Sacramento, California
Collector: L. Jonsson
Date of Collection: 1-12-14

Sample Designation	Depth	Time Set	Sample Time	Container Type	EPA 8260 DTSC List	TPH Gas EPA 8260b	Diesel	Leak Cmpd. (1,1-DFA)	Purge Volumes	Field Notes
Probe Blank	—	—	0845	Syringe	X	X		X	—	
FB-25 SV	4.9	1050	1136	↓	X	X		X	10	
FB-25 SV dup	4.9	1050	1136	↓	X	X		X	10	
END										

Collector	Date / Time	Remarks
[signature]	1/12/14 1200	

ADVANCED TECHNOLOGY LABORATORIES

February 06, 2014

ELAP No.: 1838
NELAP No.: 02107CA
CSDLAC No.: 10196
ORELAP No.: CA300003
TCEQ No.: T104704502

Michael D'Anna/Jeriann Alexander
Fugro West, Inc.
1000 Broadway, Suite 440
Oakland, CA 94607
Tel: (510) 268-0461
Fax:(510) 268-0137

Re: ATL Work Order Number : 1400211
Client Reference : Mercury Cleaners, 04.72120008

Enclosed are the results for sample(s) received on January 23, 2014 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.

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www.atlglobal.com

Certificate of Analysis

Fugro West, Inc.		Project Number :	Mercury Cleaners, 04.72120008
1000 Broadway, Suite 440		Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607		Reported :	02/06/2014

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
AQ-6(8)	1400211-01	Air	1/19/14 15:54	1/23/14 13:20
AQ-7(8)	1400211-03	Air	1/19/14 15:56	1/23/14 13:20
AQ-8(8)	1400211-05	Air	1/19/14 15:58	1/23/14 13:20
AQ-9(8)	1400211-07	Air	1/19/14 15:55	1/23/14 13:20
AQ-10(8)	1400211-09	Air	1/19/14 16:28	1/23/14 13:20
AQ-11(8)	1400211-11	Air	1/19/14 16:26	1/23/14 13:20
BKG-2	1400211-13	Air	1/20/14 7:44	1/23/14 13:20

CASE NARRATIVE

Results were J-flagged. "J" is used to flag those results that are between the PQL (Practical Quantitation Limit) and the calculated MDL (Method Detection Limit). Results that are "J" flagged are estimated values since it becomes difficult to accurately quantitate the analyte near the MDL.

Certificate of Analysis

Fugro West, Inc.		Project Number :	Mercury Cleaners, 04.72120008
1000 Broadway, Suite 440		Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607		Reported :	02/06/2014

Client Sample ID AQ-6(8)
Lab ID: 1400211-01

Volatile Organic Compounds in AIR by TO-15 (SIM)

Analyst: mfr

Analyte	Result (ug/m³)	PQL (ug/m³)	MDL (ug/m³)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1-Trichloroethane	**0.04**	0.22	0.02	4	B4B0047	02/04/2014	02/04/14 19:38	J
1,1-Dichloroethene	ND	0.16	0.12	4	B4B0047	02/04/2014	02/04/14 19:38	
1,2-Dichloroethane	**0.24**	0.16	0.009	4	B4B0047	02/04/2014	02/04/14 19:38	
Benzene	**1.6**	0.13	0.06	4	B4B0047	02/04/2014	02/04/14 19:38	
Carbon tetrachloride	**0.28**	0.25	0.01	4	B4B0047	02/04/2014	02/04/14 19:38	
cis-1,2-Dichloroethene	**1.9**	0.16	0.02	4	B4B0047	02/04/2014	02/04/14 19:38	
Ethylbenzene	**0.52**	0.17	0.009	4	B4B0047	02/04/2014	02/04/14 19:38	
m,p-Xylene	**2.5**	0.35	0.08	4	B4B0047	02/04/2014	02/04/14 19:38	
MTBE	ND	0.14	0.01	4	B4B0047	02/04/2014	02/04/14 19:38	
Naphthalene	**3.7**	0.21	0.05	4	B4B0047	02/04/2014	02/04/14 19:38	
o-Xylene	**0.48**	0.17	0.01	4	B4B0047	02/04/2014	02/04/14 19:38	
Tetrachloroethene	**9.0**	1.4	1.2	20	B4B0047	02/04/2014	02/04/14 21:21	
Toluene	**4.6**	0.75	0.69	20	B4B0047	02/04/2014	02/04/14 21:21	
trans-1,2-Dichloroethene	**0.04**	0.16	0.009	4	B4B0047	02/04/2014	02/04/14 19:38	J
Trichloroethene	**1.0**	0.21	0.13	4	B4B0047	02/04/2014	02/04/14 19:38	
Vinyl chloride	ND	0.10	0.04	4	B4B0047	02/04/2014	02/04/14 19:38	
Surrogate: 4-Bromofluorobenzene	*92.4 %*	*70 - 130*			B4B0047	02/04/2014	*02/04/14 21:21*	
Surrogate: 4-Bromofluorobenzene	*94.2 %*	*70 - 130*			B4B0047	02/04/2014	*02/04/14 19:38*	

Gasoline Range Organics in Air by TO-3

Analyst: mfr

Analyte	Result (ug/m³)	PQL (ug/m³)	MDL (ug/m³)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	**2300**	200	200	2	B4B0048	02/04/2014	02/04/14 22:00	
Surrogate: 4-Bromofluorobenzene	*96.0 %*	*70 - 130*			B4B0048	02/04/2014	*02/04/14 22:00*	

Certificate of Analysis

Fugro West, Inc.		Project Number :	Mercury Cleaners, 04.72120008
1000 Broadway, Suite 440		Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607		Reported :	02/06/2014

Client Sample ID AQ-7(8)
Lab ID: 1400211-03

Volatile Organic Compounds in AIR by TO-15 (SIM)

Analyst: mfr

Analyte	Result (ug/m³)	PQL (ug/m³)	MDL (ug/m³)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1-Trichloroethane	**0.03**	0.22	0.02	4	B4B0047	02/04/2014	02/04/14 20:13	J
1,1-Dichloroethene	ND	0.16	0.12	4	B4B0047	02/04/2014	02/04/14 20:13	
1,2-Dichloroethane	**0.07**	0.16	0.009	4	B4B0047	02/04/2014	02/04/14 20:13	J
Benzene	**0.55**	0.13	0.06	4	B4B0047	02/04/2014	02/04/14 20:13	
Carbon tetrachloride	**0.27**	0.25	0.01	4	B4B0047	02/04/2014	02/04/14 20:13	
cis-1,2-Dichloroethene	**1.9**	0.16	0.02	4	B4B0047	02/04/2014	02/04/14 20:13	
Ethylbenzene	**0.29**	0.17	0.009	4	B4B0047	02/04/2014	02/04/14 20:13	
m,p-Xylene	**1.6**	0.35	0.08	4	B4B0047	02/04/2014	02/04/14 20:13	
MTBE	**0.02**	0.14	0.01	4	B4B0047	02/04/2014	02/04/14 20:13	J
Naphthalene	**1.5**	0.21	0.05	4	B4B0047	02/04/2014	02/04/14 20:13	
o-Xylene	**0.35**	0.17	0.01	4	B4B0047	02/04/2014	02/04/14 20:13	
Tetrachloroethene	**9.5**	1.4	1.2	20	B4B0047	02/04/2014	02/05/14 08:24	
Toluene	**1.5**	0.15	0.14	4	B4B0047	02/04/2014	02/04/14 20:13	
trans-1,2-Dichloroethene	**0.09**	0.16	0.009	4	B4B0047	02/04/2014	02/04/14 20:13	J
Trichloroethene	**0.91**	0.21	0.13	4	B4B0047	02/04/2014	02/04/14 20:13	
Vinyl chloride	ND	0.10	0.04	4	B4B0047	02/04/2014	02/04/14 20:13	
Surrogate: 4-Bromofluorobenzene	*92.4 %*		*70 - 130*		B4B0047	02/04/2014	*02/05/14 08:24*	
Surrogate: 4-Bromofluorobenzene	*89.8 %*		*70 - 130*		B4B0047	02/04/2014	*02/04/14 20:13*	

Gasoline Range Organics in Air by TO-3

Analyst: mfr

Analyte	Result (ug/m³)	PQL (ug/m³)	MDL (ug/m³)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	**2000**	200	200	2	B4B0048	02/04/2014	02/04/14 22:36	
Surrogate: 4-Bromofluorobenzene	*91.6 %*		*70 - 130*		B4B0048	02/04/2014	*02/04/14 22:36*	

Certificate of Analysis

Fugro West, Inc.		Project Number :	Mercury Cleaners, 04.72120008
1000 Broadway, Suite 440		Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607		Reported :	02/06/2014

Client Sample ID AQ-8(8)
Lab ID: 1400211-05

Volatile Organic Compounds in AIR by TO-15 (SIM)

Analyst: mfr

Analyte	Result (ug/m³)	PQL (ug/m³)	MDL (ug/m³)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1-Trichloroethane	**0.03**	0.22	0.02	4	B4B0047	02/04/2014	02/04/14 22:30	J
1,1-Dichloroethene	ND	0.16	0.12	4	B4B0047	02/04/2014	02/04/14 22:30	
1,2-Dichloroethane	**0.08**	0.16	0.009	4	B4B0047	02/04/2014	02/04/14 22:30	J
Benzene	**0.59**	0.13	0.06	4	B4B0047	02/04/2014	02/04/14 22:30	
Carbon tetrachloride	**0.26**	0.25	0.01	4	B4B0047	02/04/2014	02/04/14 22:30	
cis-1,2-Dichloroethene	**1.8**	0.16	0.02	4	B4B0047	02/04/2014	02/04/14 22:30	
Ethylbenzene	**0.33**	0.17	0.009	4	B4B0047	02/04/2014	02/04/14 22:30	
m,p-Xylene	**1.8**	0.35	0.08	4	B4B0047	02/04/2014	02/04/14 22:30	
MTBE	ND	0.14	0.01	4	B4B0047	02/04/2014	02/04/14 22:30	
Naphthalene	**0.68**	0.21	0.05	4	B4B0047	02/04/2014	02/04/14 22:30	
o-Xylene	**0.38**	0.17	0.01	4	B4B0047	02/04/2014	02/04/14 22:30	
Tetrachloroethene	**10**	1.4	1.2	20	B4B0047	02/04/2014	02/05/14 00:47	
Toluene	**2.2**	0.15	0.14	4	B4B0047	02/04/2014	02/04/14 22:30	
trans-1,2-Dichloroethene	**0.02**	0.16	0.009	4	B4B0047	02/04/2014	02/04/14 22:30	J
Trichloroethene	**0.80**	0.21	0.13	4	B4B0047	02/04/2014	02/04/14 22:30	
Vinyl chloride	ND	0.10	0.04	4	B4B0047	02/04/2014	02/04/14 22:30	
Surrogate: 4-Bromofluorobenzene	*92.1 %*		*70 - 130*		B4B0047	02/04/2014	*02/05/14 00:47*	
Surrogate: 4-Bromofluorobenzene	*97.2 %*		*70 - 130*		B4B0047	02/04/2014	*02/04/14 22:30*	

Gasoline Range Organics in Air by TO-3

Analyst: mfr

Analyte	Result (ug/m³)	PQL (ug/m³)	MDL (ug/m³)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	**1500**	510	510	5	B4B0048	02/04/2014	02/04/14 20:50	
Surrogate: 4-Bromofluorobenzene	*95.6 %*		*70 - 130*		B4B0048	02/04/2014	*02/04/14 20:50*	

Certificate of Analysis

Fugro West, Inc.		Project Number :	Mercury Cleaners, 04.72120008
1000 Broadway, Suite 440		Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607		Reported :	02/06/2014

Client Sample ID AQ-9(8)
Lab ID: 1400211-07

Volatile Organic Compounds in AIR by TO-15 (SIM)

Analyst: mfr

Analyte	Result (ug/m³)	PQL (ug/m³)	MDL (ug/m³)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1-Trichloroethane	**0.04**	0.27	0.03	5	B4B0047	02/04/2014	02/04/14 20:47	J
1,1-Dichloroethene	ND	0.20	0.15	5	B4B0047	02/04/2014	02/04/14 20:47	
1,2-Dichloroethane	**0.17**	0.20	0.01	5	B4B0047	02/04/2014	02/04/14 20:47	J
Benzene	**0.81**	0.16	0.08	5	B4B0047	02/04/2014	02/04/14 20:47	
Carbon tetrachloride	**0.28**	0.31	0.02	5	B4B0047	02/04/2014	02/04/14 20:47	J
cis-1,2-Dichloroethene	**2.3**	0.20	0.02	5	B4B0047	02/04/2014	02/04/14 20:47	
Ethylbenzene	**0.72**	0.22	0.01	5	B4B0047	02/04/2014	02/04/14 20:47	
m,p-Xylene	**3.4**	0.43	0.10	5	B4B0047	02/04/2014	02/04/14 20:47	
MTBE	ND	0.18	0.01	5	B4B0047	02/04/2014	02/04/14 20:47	
Naphthalene	**2.5**	0.26	0.07	5	B4B0047	02/04/2014	02/04/14 20:47	
o-Xylene	**0.68**	0.22	0.02	5	B4B0047	02/04/2014	02/04/14 20:47	
Tetrachloroethene	**24**	1.4	1.2	20	B4B0047	02/04/2014	02/05/14 08:57	
Toluene	**14**	0.75	0.69	20	B4B0047	02/04/2014	02/05/14 08:57	
trans-1,2-Dichloroethene	**0.03**	0.20	0.01	5	B4B0047	02/04/2014	02/04/14 20:47	J
Trichloroethene	**1.1**	0.27	0.16	5	B4B0047	02/04/2014	02/04/14 20:47	
Vinyl chloride	ND	0.13	0.05	5	B4B0047	02/04/2014	02/04/14 20:47	
Surrogate: 4-Bromofluorobenzene	*96.7 %*	*70 - 130*			B4B0047	02/04/2014	*02/04/14 20:47*	
Surrogate: 4-Bromofluorobenzene	*94.6 %*	*70 - 130*			B4B0047	02/04/2014	*02/05/14 08:57*	

Gasoline Range Organics in Air by TO-3

Analyst: mfr

Analyte	Result (ug/m³)	PQL (ug/m³)	MDL (ug/m³)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	**12000**	510	510	5	B4B0048	02/04/2014	02/04/14 23:09	
Surrogate: 4-Bromofluorobenzene	*94.4 %*	*70 - 130*			B4B0048	02/04/2014	*02/04/14 23:09*	

Certificate of Analysis

Fugro West, Inc.		Project Number :	Mercury Cleaners, 04.72120008
1000 Broadway, Suite 440		Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607		Reported :	02/06/2014

Client Sample ID AQ-10(8)
Lab ID: 1400211-09

Volatile Organic Compounds in AIR by TO-15 (SIM)

Analyst: mfr

Analyte	Result (ug/m³)	PQL (ug/m³)	MDL (ug/m³)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1-Trichloroethane	**0.04**	0.22	0.02	4	B4B0047	02/04/2014	02/04/14 21:55	J
1,1-Dichloroethene	ND	0.16	0.12	4	B4B0047	02/04/2014	02/04/14 21:55	
1,2-Dichloroethane	**0.10**	0.16	0.009	4	B4B0047	02/04/2014	02/04/14 21:55	J
Benzene	**0.89**	0.13	0.06	4	B4B0047	02/04/2014	02/04/14 21:55	
Carbon tetrachloride	**0.30**	0.25	0.01	4	B4B0047	02/04/2014	02/04/14 21:55	
cis-1,2-Dichloroethene	ND	0.16	0.02	4	B4B0047	02/04/2014	02/04/14 21:55	
Ethylbenzene	**0.54**	0.17	0.009	4	B4B0047	02/04/2014	02/04/14 21:55	
m,p-Xylene	**2.4**	0.35	0.08	4	B4B0047	02/04/2014	02/04/14 21:55	
MTBE	ND	0.14	0.01	4	B4B0047	02/04/2014	02/04/14 21:55	
Naphthalene	**2.1**	0.21	0.05	4	B4B0047	02/04/2014	02/04/14 21:55	
o-Xylene	**0.50**	0.17	0.01	4	B4B0047	02/04/2014	02/04/14 21:55	
Tetrachloroethene	**2.2**	0.27	0.25	4	B4B0047	02/04/2014	02/04/14 21:55	
Toluene	**5.4**	0.75	0.69	20	B4B0047	02/04/2014	02/05/14 00:13	
trans-1,2-Dichloroethene	ND	0.16	0.009	4	B4B0047	02/04/2014	02/04/14 21:55	
Trichloroethene	ND	0.21	0.13	4	B4B0047	02/04/2014	02/04/14 21:55	
Vinyl chloride	ND	0.10	0.04	4	B4B0047	02/04/2014	02/04/14 21:55	
Surrogate: 4-Bromofluorobenzene	*99.9 %*	*70 - 130*			B4B0047	02/04/2014	*02/05/14 00:13*	
Surrogate: 4-Bromofluorobenzene	*90.4 %*	*70 - 130*			B4B0047	02/04/2014	*02/04/14 21:55*	

Gasoline Range Organics in Air by TO-3

Analyst: mfr

Analyte	Result (ug/m³)	PQL (ug/m³)	MDL (ug/m³)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	**1100**	200	200	2	B4B0048	02/04/2014	02/04/14 20:16	
Surrogate: 4-Bromofluorobenzene	*97.6 %*	*70 - 130*			B4B0048	02/04/2014	*02/04/14 20:16*	

Certificate of Analysis

Fugro West, Inc.		Project Number :	Mercury Cleaners, 04.72120008
1000 Broadway, Suite 440		Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607		Reported :	02/06/2014

Client Sample ID AQ-11(8)
Lab ID: 1400211-11

Volatile Organic Compounds in AIR by TO-15 (SIM)

Analyst: mfr

Analyte	Result (ug/m³)	PQL (ug/m³)	MDL (ug/m³)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1-Trichloroethane	**0.08**	0.22	0.02	4	B4B0047	02/04/2014	02/04/14 23:40	J
1,1-Dichloroethene	ND	0.16	0.12	4	B4B0047	02/04/2014	02/04/14 23:40	
1,2-Dichloroethane	**0.34**	0.16	0.009	4	B4B0047	02/04/2014	02/04/14 23:40	
Benzene	**1.6**	0.13	0.06	4	B4B0047	02/04/2014	02/04/14 23:40	
Carbon tetrachloride	**0.36**	0.25	0.01	4	B4B0047	02/04/2014	02/04/14 23:40	
cis-1,2-Dichloroethene	ND	0.16	0.02	4	B4B0047	02/04/2014	02/04/14 23:40	
Ethylbenzene	**1.3**	0.17	0.009	4	B4B0047	02/04/2014	02/04/14 23:40	
m,p-Xylene	**6.6**	0.35	0.08	4	B4B0047	02/04/2014	02/04/14 23:40	
MTBE	**0.02**	0.14	0.01	4	B4B0047	02/04/2014	02/04/14 23:40	J
Naphthalene	**1.7**	0.21	0.05	4	B4B0047	02/04/2014	02/04/14 23:40	
o-Xylene	**1.2**	0.17	0.01	4	B4B0047	02/04/2014	02/04/14 23:40	
Tetrachloroethene	**2.6**	0.27	0.25	4	B4B0047	02/04/2014	02/04/14 23:40	
Toluene	**34**	3.8	3.5	100	B4B0064	02/05/2014	02/05/14 20:39	
trans-1,2-Dichloroethene	ND	0.16	0.009	4	B4B0047	02/04/2014	02/04/14 23:40	
Trichloroethene	ND	0.21	0.13	4	B4B0047	02/04/2014	02/04/14 23:40	
Vinyl chloride	ND	0.10	0.04	4	B4B0047	02/04/2014	02/04/14 23:40	
Surrogate: 4-Bromofluorobenzene	*84.2 %*	*70 - 130*			B4B0064	02/05/2014	*02/05/14 20:39*	
Surrogate: 4-Bromofluorobenzene	*92.4 %*	*70 - 130*			B4B0047	02/04/2014	*02/04/14 23:40*	

Gasoline Range Organics in Air by TO-3

Analyst: mfr

Analyte	Result (ug/m³)	PQL (ug/m³)	MDL (ug/m³)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	**1400**	200	200	2	B4B0048	02/04/2014	02/04/14 19:40	
Surrogate: 4-Bromofluorobenzene	*98.4 %*	*70 - 130*			B4B0048	02/04/2014	*02/04/14 19:40*	

Certificate of Analysis

Fugro West, Inc.		Project Number :	Mercury Cleaners, 04.72120008
1000 Broadway, Suite 440		Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607		Reported :	02/06/2014

Client Sample ID BKG-2
Lab ID: 1400211-13

Volatile Organic Compounds in AIR by TO-15 (SIM) **Analyst: mfr**

Analyte	Result (ug/m³)	PQL (ug/m³)	MDL (ug/m³)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1-Trichloroethane	**0.03**	0.16	0.02	3	B4B0047	02/04/2014	02/04/14 23:06	J
1,1-Dichloroethene	ND	0.12	0.09	3	B4B0047	02/04/2014	02/04/14 23:06	
1,2-Dichloroethane	ND	0.12	0.007	3	B4B0047	02/04/2014	02/04/14 23:06	
Benzene	**1.3**	0.10	0.05	3	B4B0047	02/04/2014	02/04/14 23:06	
Carbon tetrachloride	**0.27**	0.19	0.01	3	B4B0047	02/04/2014	02/04/14 23:06	
cis-1,2-Dichloroethene	ND	0.12	0.01	3	B4B0047	02/04/2014	02/04/14 23:06	
Ethylbenzene	**0.56**	0.13	0.007	3	B4B0047	02/04/2014	02/04/14 23:06	
m,p-Xylene	**3.9**	0.26	0.06	3	B4B0047	02/04/2014	02/04/14 23:06	
MTBE	ND	0.11	0.008	3	B4B0047	02/04/2014	02/04/14 23:06	
Naphthalene	**0.76**	0.16	0.04	3	B4B0047	02/04/2014	02/04/14 23:06	
o-Xylene	**0.67**	0.13	0.01	3	B4B0047	02/04/2014	02/04/14 23:06	
Tetrachloroethene	ND	0.20	0.18	3	B4B0047	02/04/2014	02/04/14 23:06	
Toluene	**4.5**	1.1	1.0	30	B4B0047	02/04/2014	02/05/14 01:20	
trans-1,2-Dichloroethene	ND	0.12	0.007	3	B4B0047	02/04/2014	02/04/14 23:06	
Trichloroethene	ND	0.16	0.09	3	B4B0047	02/04/2014	02/04/14 23:06	
Vinyl chloride	ND	0.08	0.03	3	B4B0047	02/04/2014	02/04/14 23:06	
Surrogate: 4-Bromofluorobenzene	*92.9 %*	*70 - 130*			B4B0047	02/04/2014	*02/05/14 01:20*	
Surrogate: 4-Bromofluorobenzene	*96.7 %*	*70 - 130*			B4B0047	02/04/2014	*02/04/14 23:06*	

Certificate of Analysis

Fugro West, Inc.	Project Number :	Mercury Cleaners, 04.72120008
1000 Broadway, Suite 440	Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607	Reported :	02/06/2014

QUALITY CONTROL SECTION

Volatile Organic Compounds in AIR by TO-15 (SIM) - Quality Control

Analyte	Result (ug/m³)	PQL (ug/m³)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0047 - No_Prep_Air									
Blank (B4B0047-BLK1)				Prepared: 2/4/2014 Analyzed: 2/4/2014					
1,1,1-Trichloroethane	ND	0.05			NR				
1,1-Dichloroethene	ND	0.04			NR				
1,2-Dichloroethane	ND	0.04			NR				
Benzene	ND	0.03			NR				
Carbon tetrachloride	ND	0.06			NR				
cis-1,2-Dichloroethene	ND	0.04			NR				
Ethylbenzene	0.017803	0.04			NR				J
m,p-Xylene	0.068085	0.09			NR				J
MTBE	ND	0.04			NR				
Naphthalene	0.046970	0.05			NR				J
o-Xylene	0.021190	0.04			NR				J
Tetrachloroethene	ND	0.07			NR				
Toluene	ND	0.04			NR				
trans-1,2-Dichloroethene	ND	0.04			NR				
Trichloroethene	ND	0.05			NR				
Vinyl chloride	ND	0.03			NR				
Surrogate: 4-Bromofluorobenzene	*6.821*		*7.15738*		*95.3*	*70 - 130*			
LCS (B4B0047-BS1)				Prepared: 2/4/2014 Analyzed: 2/4/2014					
cis-1,2-Dichloroethene	0.196344	0.04	0.198247		99.0	70 - 130			
Tetrachloroethene	0.302024	0.07	0.339125		89.1	70 - 130			
trans-1,2-Dichloroethene	0.195353	0.04	0.198247		98.5	70 - 130			
Trichloroethene	0.249178	0.05	0.268685		92.7	70 - 130			
Vinyl chloride	0.125149	0.03	0.127808		97.9	70 - 130			
Surrogate: 4-Bromofluorobenzene	*7.012*		*7.15738*		*98.0*	*70 - 130*			
LCS Dup (B4B0047-BSD1)				Prepared: 2/4/2014 Analyzed: 2/4/2014					
cis-1,2-Dichloroethene	0.199040	0.04	0.198247		100	70 - 130	1.36	20	
Tetrachloroethene	0.306298	0.07	0.339125		90.3	70 - 130	1.40	20	
trans-1,2-Dichloroethene	0.197336	0.04	0.198247		99.5	70 - 130	1.01	20	
Trichloroethene	0.256326	0.05	0.268685		95.4	70 - 130	2.83	20	
Vinyl chloride	0.128830	0.03	0.127808		101	70 - 130	2.90	20	
Surrogate: 4-Bromofluorobenzene	*7.009*		*7.15738*		*97.9*	*70 - 130*			
Batch B4B0064 - No_Prep_Air									
Blank (B4B0064-BLK1)				Prepared: 2/5/2014 Analyzed: 2/5/2014					
1,1,1-Trichloroethane	ND	0.05			NR				
1,1-Dichloroethene	ND	0.04			NR				

Certificate of Analysis

Fugro West, Inc.	Project Number :	Mercury Cleaners, 04.72120008
1000 Broadway, Suite 440	Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607	Reported :	02/06/2014

Volatile Organic Compounds in AIR by TO-15 (SIM) - Quality Control (cont'd)

Analyte	Result (ug/m³)	PQL (ug/m³)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0064 - No_Prep_Air (continued)									
Blank (B4B0064-BLK1) - Continued				Prepared: 2/5/2014 Analyzed: 2/5/2014					
1,2-Dichloroethane	ND	0.04			NR				
Benzene	ND	0.03			NR				
Carbon tetrachloride	ND	0.06			NR				
cis-1,2-Dichloroethene	ND	0.04			NR				
Ethylbenzene	ND	0.04			NR				
m,p-Xylene	0.070169	0.09			NR				J
MTBE	ND	0.04			NR				
Naphthalene	0.043772	0.05			NR				J
o-Xylene	0.021884	0.04			NR				J
Tetrachloroethene	ND	0.07			NR				
Toluene	ND	0.04			NR				
trans-1,2-Dichloroethene	ND	0.04			NR				
Trichloroethene	ND	0.05			NR				
Vinyl chloride	ND	0.03			NR				
Surrogate: 4-Bromofluorobenzene	*6.705*		*7.15738*		*93.7*	*70 - 130*			
LCS (B4B0064-BS1)				Prepared: 2/5/2014 Analyzed: 2/5/2014					
cis-1,2-Dichloroethene	0.220253	0.04	0.198247		111	70 - 130			
Tetrachloroethene	0.340617	0.07	0.339125		100	70 - 130			
trans-1,2-Dichloroethene	0.222909	0.04	0.198247		112	70 - 130			
Trichloroethene	0.291684	0.05	0.268685		109	70 - 130			
Vinyl chloride	0.153727	0.03	0.127808		120	70 - 130			
Surrogate: 4-Bromofluorobenzene	*7.046*		*7.15738*		*98.5*	*70 - 130*			
LCS Dup (B4B0064-BSD1)				Prepared: 2/5/2014 Analyzed: 2/5/2014					
cis-1,2-Dichloroethene	0.222473	0.04	0.198247		112	70 - 130	1.00	20	
Tetrachloroethene	0.349163	0.07	0.339125		103	70 - 130	2.48	20	
trans-1,2-Dichloroethene	0.224376	0.04	0.198247		113	70 - 130	0.656	20	
Trichloroethene	0.295768	0.05	0.268685		110	70 - 130	1.39	20	
Vinyl chloride	0.160348	0.03	0.127808		125	70 - 130	4.22	20	
Surrogate: 4-Bromofluorobenzene	*6.890*		*7.15738*		*96.3*	*70 - 130*			

Certificate of Analysis

Fugro West, Inc.	Project Number :	Mercury Cleaners, 04.72120008
1000 Broadway, Suite 440	Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607	Reported :	02/06/2014

Gasoline Range Organics in Air by TO-3 - Quality Control

Analyte	Result (ug/m³)	PQL (ug/m³)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0048 - No_Prep_Air									
Blank (B4B0048-BLK1)				Prepared: 2/4/2014 Analyzed: 2/4/2014					
Gasoline Range Organics	ND	100			NR				
Surrogate: 4-Bromofluorobenzene	*16.46*		*17.8935*		*92.0*	*70 - 130*			
LCS (B4B0048-BS1)				Prepared: 2/4/2014 Analyzed: 2/4/2014					
Gasoline Range Organics	805.808	100	817.996		98.5	70 - 130			
Surrogate: 4-Bromofluorobenzene	*18.18*		*17.8935*		*102*	*70 - 130*			
LCS Dup (B4B0048-BSD1)				Prepared: 2/4/2014 Analyzed: 2/5/2014					
Gasoline Range Organics	829.857	100	817.996		101	70 - 130	2.94	20	
Surrogate: 4-Bromofluorobenzene	*17.75*		*17.8935*		*99.2*	*70 - 130*			

Certificate of Analysis

Fugro West, Inc.		Project Number :	Mercury Cleaners, 04.72120008
1000 Broadway, Suite 440		Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607		Reported :	02/06/2014

Notes and Definitions

J	Analyte detected below the Practical Quantitation Limit but above or equal to the Method Detection Limit. Result is an estimated concentration.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA1	CA-NELAP (CDPH)
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)
TX1	TX-NELAP (TCEQ)

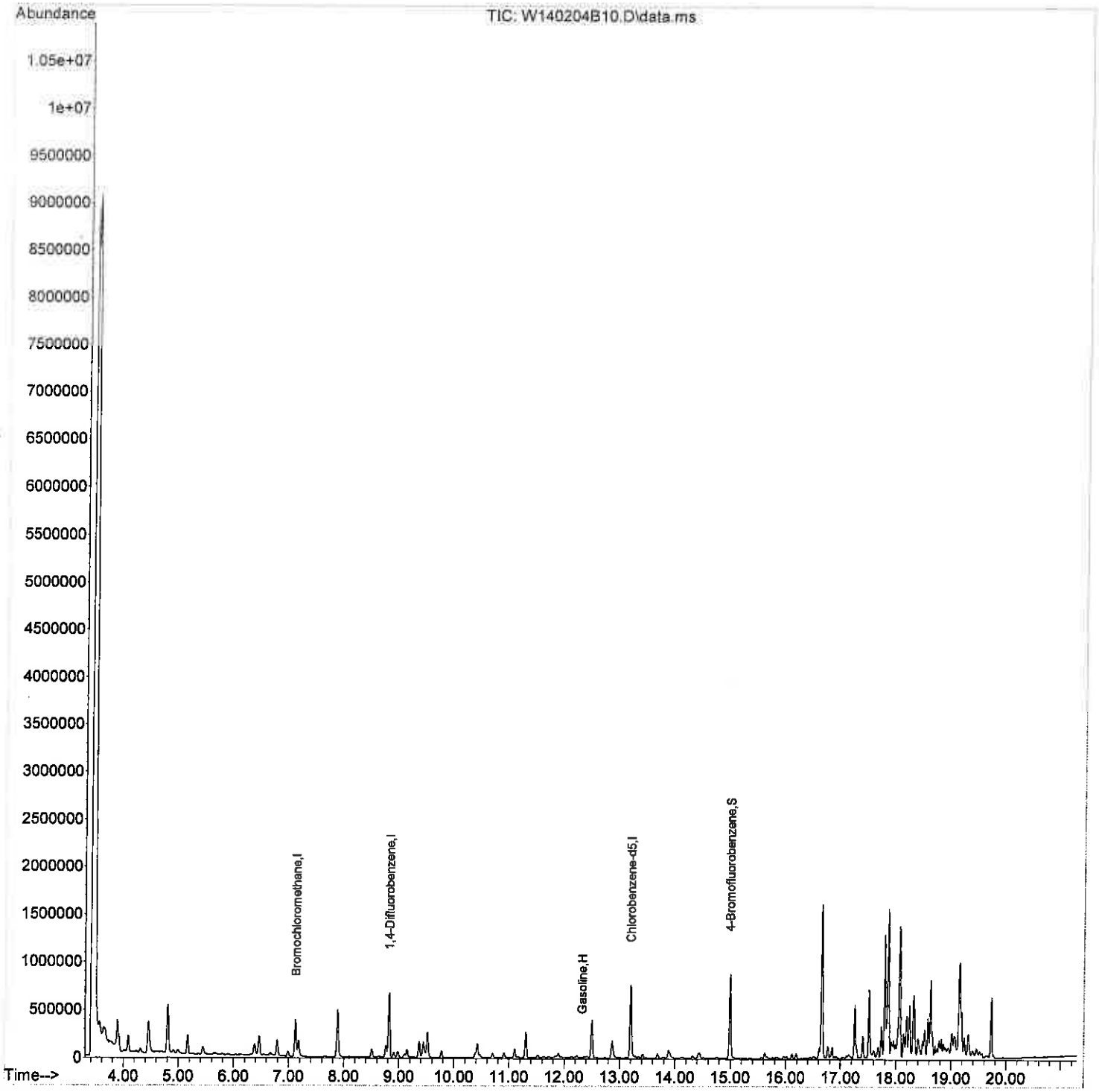
Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

InstName : MS14

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\W140204B\
Data File : W140204B10.D
Acq On : 4 Feb 2014 10:00 pm
Operator : mfr/BD
Sample : 1400211-01
Misc : 2,B4B0048
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 05 14:12:18 2014
Quant Method : C:\msdchem\1\METHODS\TO3-GAS131226S.M
Quant Title : Method TO3-VPH Advanced Technology Laboratory
QLast Update : Fri Dec 27 10:22:47 2013
Response via : Initial Calibration

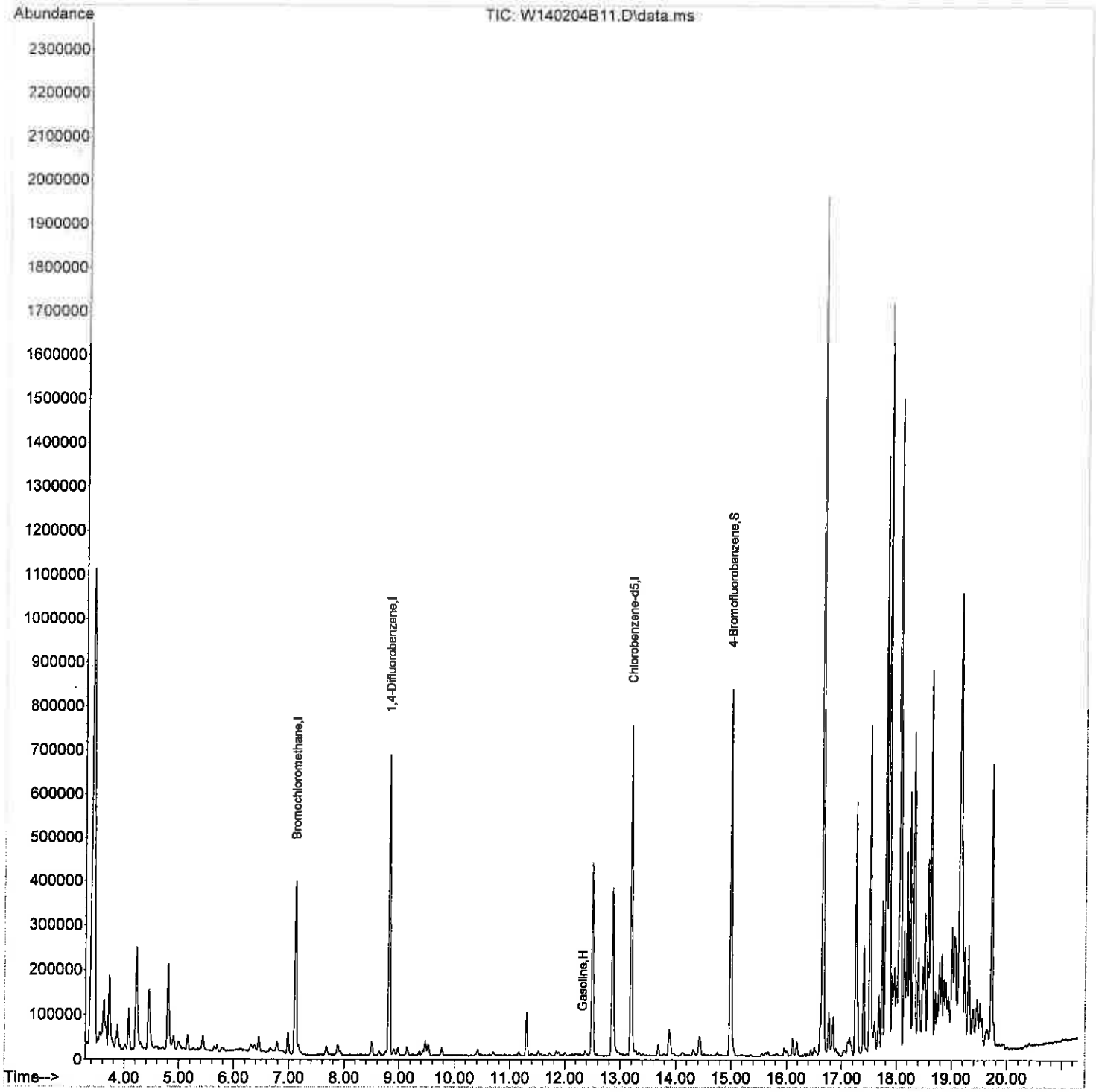


InstName : MS14

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\W140204B\
Data File : W140204B11.D
Acq On : 4 Feb 2014 10:36 pm
Operator : mfr/BD
Sample : 1400211-03
Misc : 2,B4B0048
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 05 14:12:29 2014
Quant Method : C:\msdchem\1\METHODS\TO3-GAS131226S.M
Quant Title : Method TO3-VPH Advanced Technology Laboratory
QLast Update : Fri Dec 27 10:22:47 2013
Response via : Initial Calibration

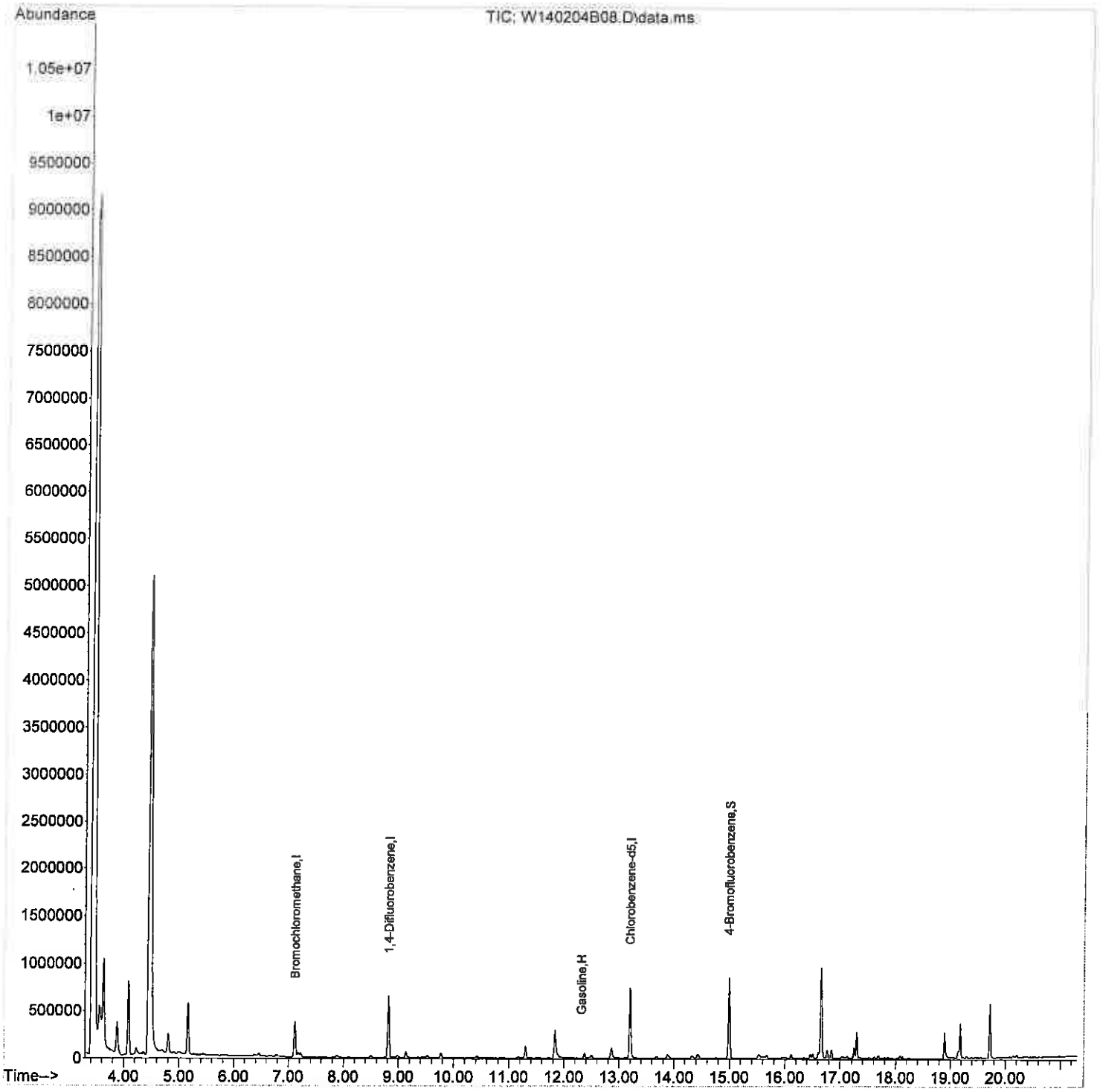


InstName : MS14

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\W140204B\
Data File : W140204B08.D
Acq On : 4 Feb 2014 8:50 pm
Operator : mfr/BD
Sample : 1400211-05
Misc : 5,B4B0048
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 05 14:12:03 2014
Quant Method : C:\msdchem\1\METHODS\TO3-GAS131226S.M
Quant Title : Method TO3-VPH Advanced Technology Laboratory
QLast Update : Fri Dec 27 10:22:47 2013
Response via : Initial Calibration

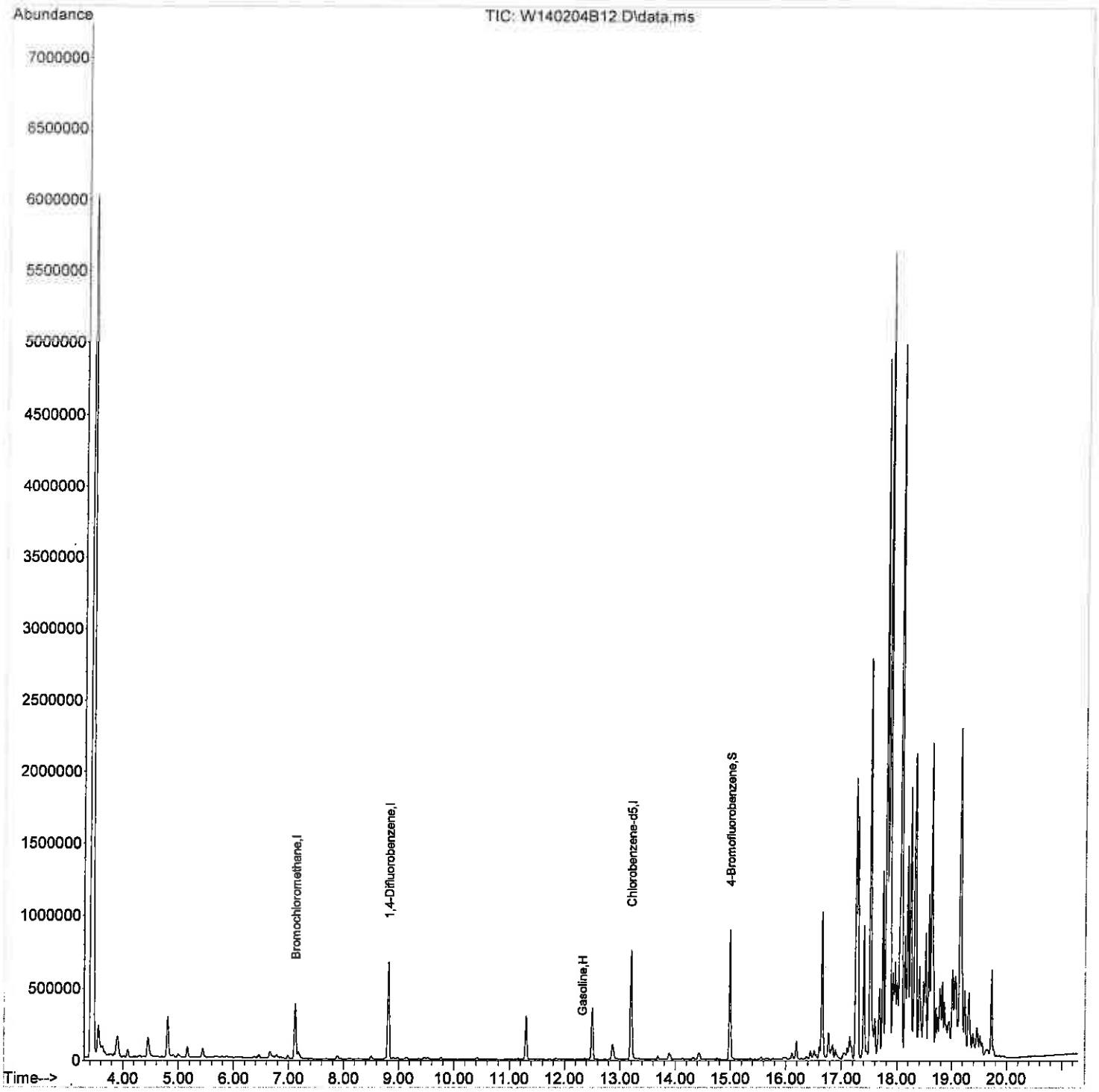


InstName : MS14

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\W140204B\
Data File : W140204B12.D
Acq On : 4 Feb 2014 11:09 pm
Operator : mfr/BD
Sample : 1400211-07
Misc : 5,B4B0048,160cc of 2x
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 05 14:12:43 2014
Quant Method : C:\msdchem\1\METHODS\TO3-GAS131226S.M
Quant Title : Method TO3-VPH Advanced Technology Laboratory
QLast Update : Fri Dec 27 10:22:47 2013
Response via : Initial Calibration

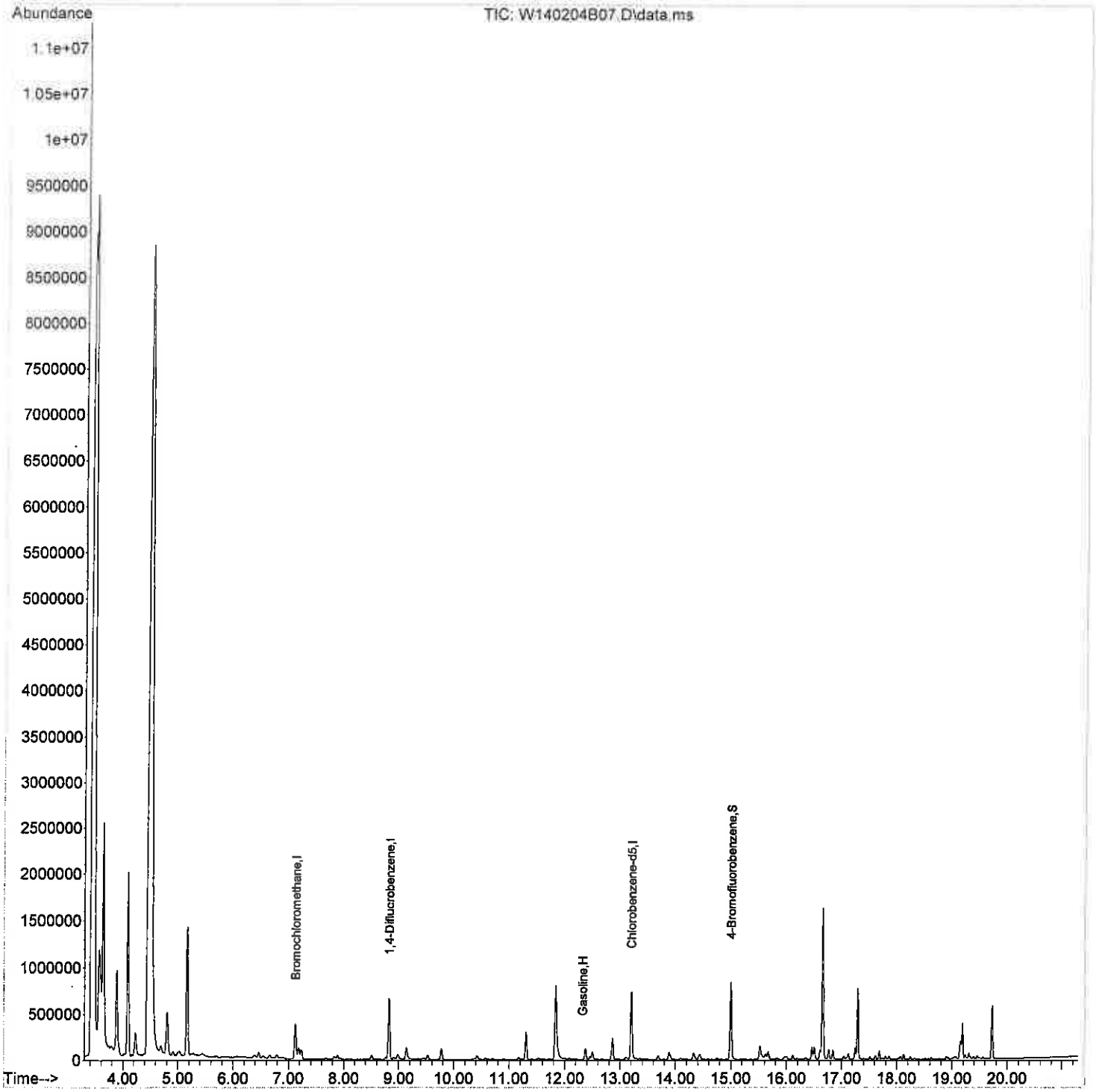


InstName : MS14

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\W140204B\
Data File : W140204B07.D
Acq On : 4 Feb 2014 8:16 pm
Operator : mfr/BD
Sample : 1400211-09
Misc : 2,B4B0048
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 05 14:11:43 2014
Quant Method : C:\msdchem\1\METHODS\TO3-GAS131226S.M
Quant Title : Method TO3-VPH Advanced Technology Laboratory
QLast Update : Fri Dec 27 10:22:47 2013
Response via : Initial Calibration

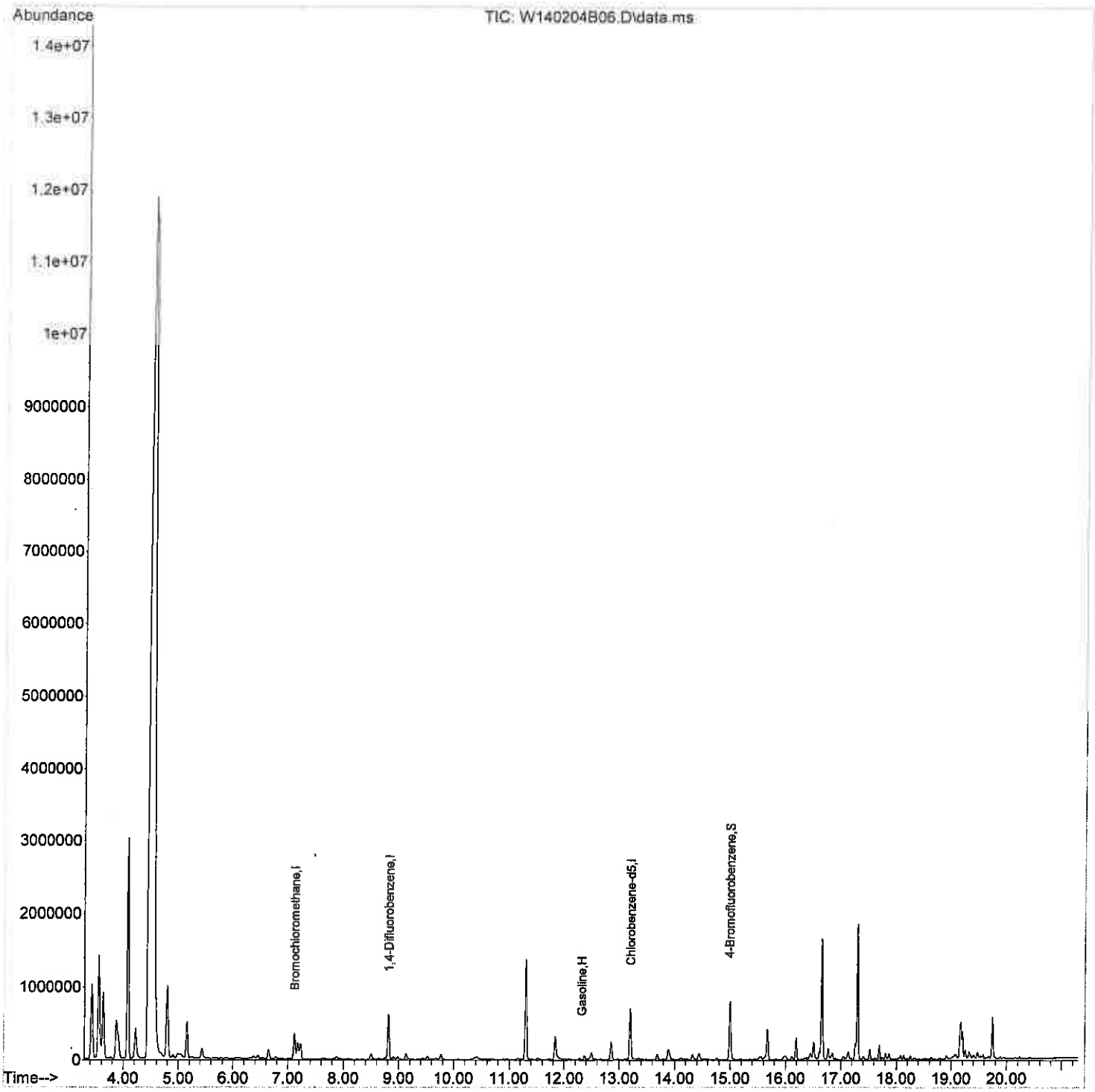


InstName : MS14

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\W140204B\
Data File : W140204B06.D
Acq On : 4 Feb 2014 7:40 pm
Operator : mfr/BD
Sample : 1400211-11
Misc : 2,B4B0048
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 05 14:11:33 2014
Quant Method : C:\msdchem\1\METHODS\TO3-GAS131226S.M
Quant Title : Method TO3-VPH Advanced Technology Laboratory
QLast Update : Fri Dec 27 10:22:47 2013
Response via : Initial Calibration

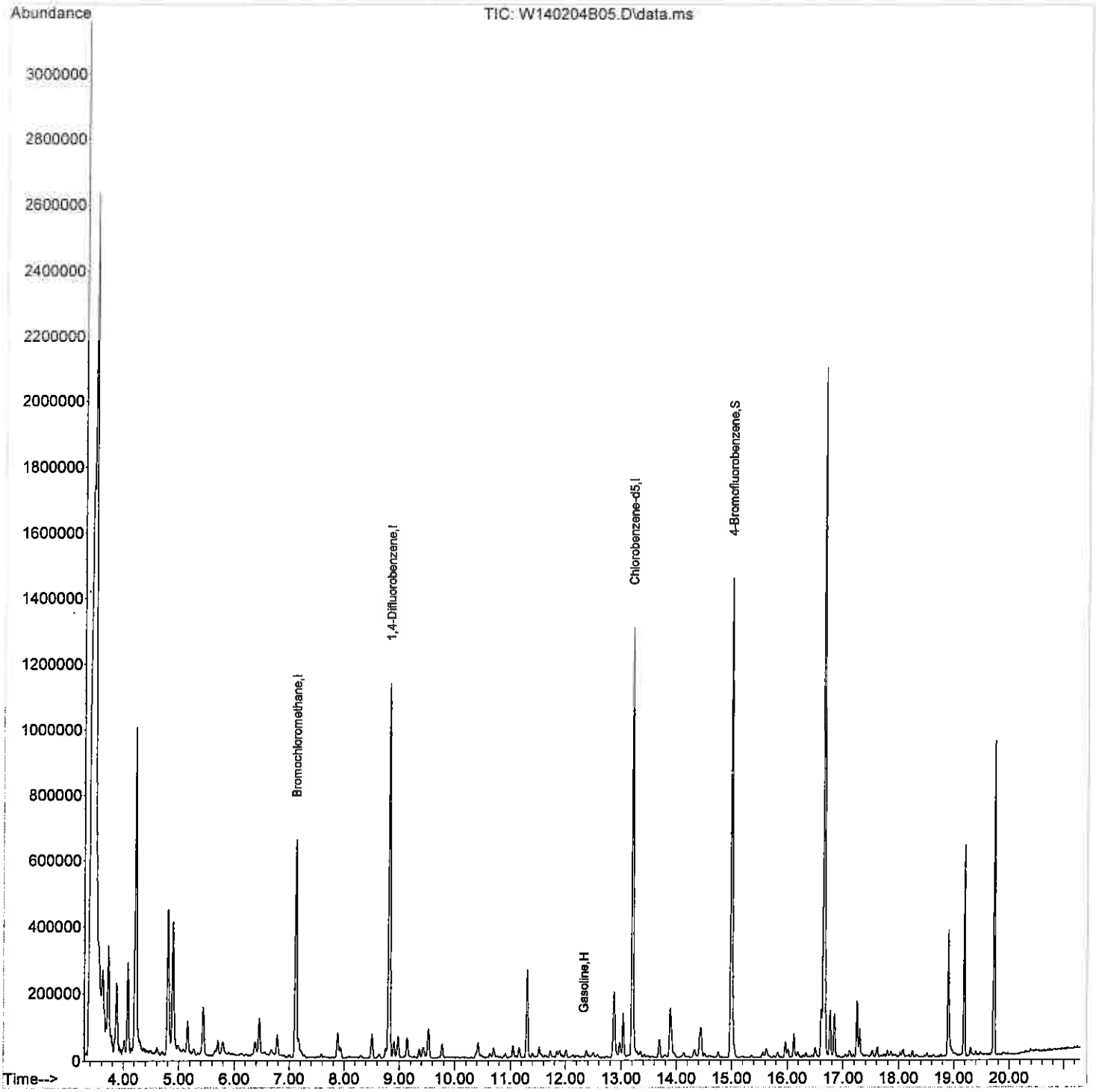


InstName : MS14

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\W140204B\
Data File : W140204B05.D
Acq On : 4 Feb 2014 7:03 pm
Operator : mfr/BD
Sample : 1400211-13
Misc : 1.5,B4B0048
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 05 14:11:23 2014
Quant Method : C:\msdchem\1\METHODS\TO3-GAS131226S.M
Quant Title : Method TO3-VPH Advanced Technology Laboratory
QLast Update : Fri Dec 27 10:22:47 2013
Response via : Initial Calibration



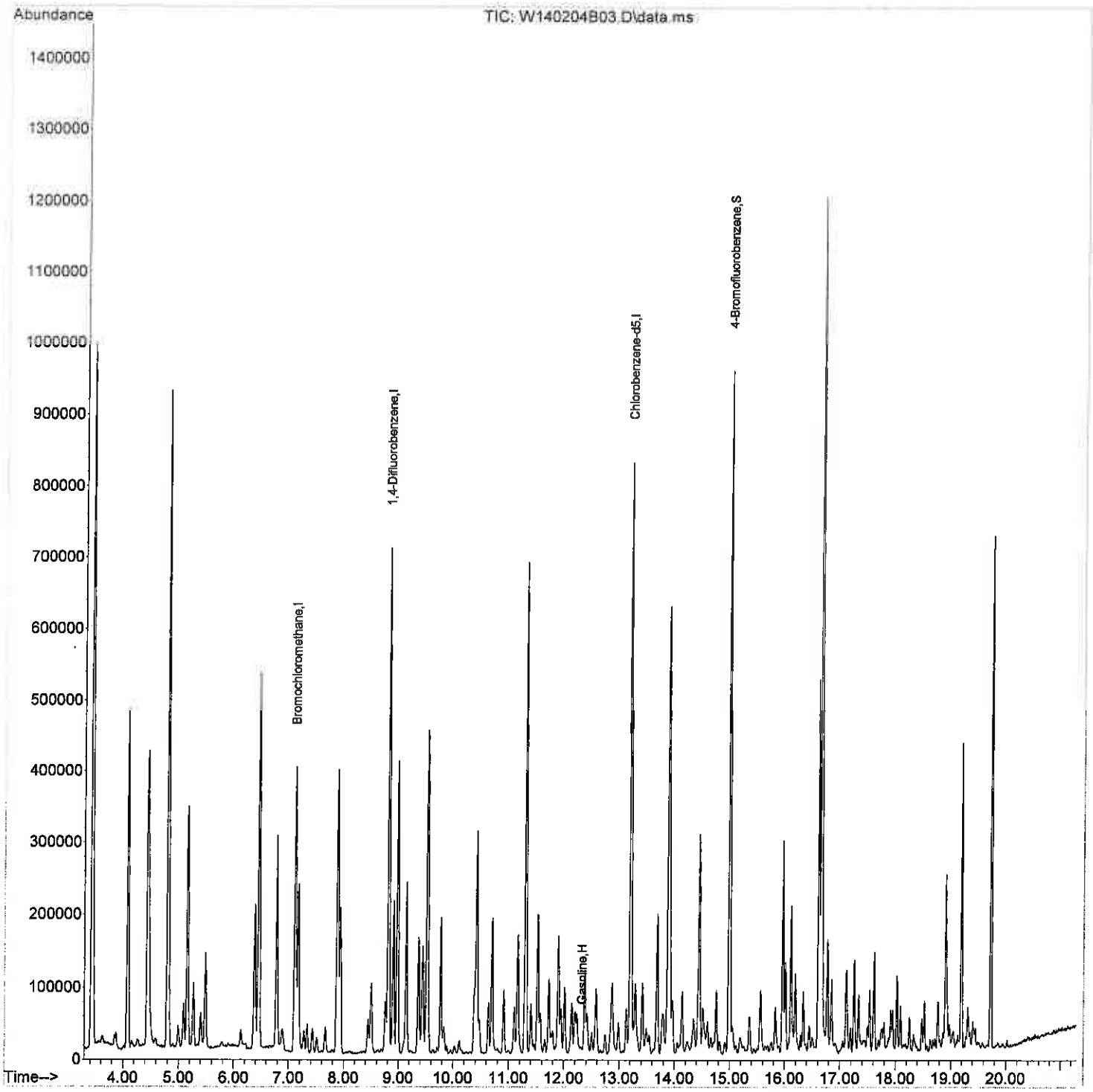
InstName : MS14

Quantitation Report (QT Reviewed)

Data Path : D:\DATA\W140204B\
Data File : W140204B03.D
Acq On : 4 Feb 2014 5:39 pm
Operator : mfr/BD
Sample : S4B0033-CCV1
Misc : 1,S4B0033,GAS
ALS Vial : 3 Sample Multiplier: 1

Gasoline, 200 ppmv

Quant Time: Feb 05 14:07:39 2014
Quant Method : C:\msdchem\1\METHODS\TO3-GAS131226S.M
Quant Title : Method TO3-VPH Advanced Technology Laboratory
QLast Update : Fri Dec 27 10:22:47 2013
Response via : Initial Calibration



ES-F10 CHAIN OF CUSTODY

PROJECT NAME: Mercury Cleaners

PROJECT NO.: 04.72120008 LAB: ATL

PROJECT CONTACT: M.D'Anna / J. Alexander TURNAROUND: 5 Day

SAMPLED BY: K. Emery /M. D'Anna

LAB I.D. NUMBER	FIELD SAMPLE I.D.	MATRIX WATER	MATRIX SOIL	MATRIX AIR	Sample Container 6L SUMMA	Flow Controller ID	START SAMPLING DATE/TIME MONTH	DAY	YEAR	TIME	Starting Pressure	END SAMPLING DATE/TIME MONTH	DAY	YEAR	TIME	Final Pressure	ANALYSIS REQUESTED TO-15 SIM **	TO-3
1400211-1	AQ-6(8)			X	X	ATL00223	01	19	14	0922	~~30~~ -28	01	19	14	1559	-2	X	X
-2	AQ-6(24)			X	X	ATL00299	01	19	14	0922	-30		20		0822	-20	X	
-3	AQ-7(8)			X	X	ATL00348	01	19	14	0925	-30		19		1556	-4	X	X
-4	AQ-7(24)			X	X	ATL00166	01	19	14	0925	-30		20		0825	-24	X	X
-5	AQ-8(8)			X	X	ATL00331	01	19	14	0927	-30		19		1558	-5	X	X
-6	AQ-8(24)			X	X	ATL00289	01	19	14	0927	-30		20		0827	-10	X	
-7	AQ-9(8)			X	X	ATL00221	01	19	14	0929	~~30~~ -26		19		1555	-4	X	X
-8	AQ-9(24)			X	X	ATL00345	01	19	14	0929	-30 -25		20		0710	-2	X	
-9	AQ-10(8)			X	X	ATL00226	01	19	14	0941	-30		19		1628	-4	X	X
-10	AQ-10(24)			X	X	ATL00224	01	19	14	0941	-30		20		0902	-13	X	
-11	AQ-11(8)			X	X	ATL00127	01	19	14	1002	~~30~~ -23		19		1626	-1	X	X
-12	AQ-11(24)			X	X	ATL00367	01	19	14	1002	~~30~~ -29		20		0903	-18	X	
-13	BKG-2			X	X	ATL00288	01	19	14	0902	-30		20		0744	-3	X	
-14	DUP-2			X	X	ATL00229	01	19	14	1016	~~30~~ 0* MD	01	20	14	0836	0*	X	

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]	1/21/14 0900	FPDiwa [signature]	1/23/14 1820
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

COMMENTS & NOTES: PLEASE REFER TO QUOTE # R14A141 FOR BILLING PURPOSES. PLEASE PROVIDE CHROMATOGRAPHS FOR TO-3 ANALYSIS. IF THERE IS A FEE, PLEASE CONTACT JERIANN ALEXANDER AT 916-773-2600 x128 TO DISCUSS FIRST.

DUP-2 - start pressure @ 0, check canister & regulator for malfunction.

NOTE High pressure values @ end of 24hr test.

FUGRO CONSULTANTS, INC.
1000 Broadway, Suite 440
Oakland, California 94607
Tel: 510.268.0461 Fax: 510.268.0545

Approved by Glenn Young, Enviromental Services Manager, Fugro Consultants Inc., December 2011
Note: If this is a printed copy, please check the online QMS to ensure that it is the latest version.

Rachelle Arada

From: Emery, Karen [FCL] [kemery@fugro.com]
Sent: Monday, January 27, 2014 10:12 AM
To: Rachelle Arada
Cc: Alexander, Jeriann [FCL]; D'Anna, Michael [FCL]
Subject: Air Testing - Mercury Cleaners - DGS Retainer Contract
Attachments: DOC.pdf

Importance: High

Hi Rachelle,

As we discussed on the phone, due to all the issues we have with the 24hour flow regulators, we would like to only proceed with testing the following:

All 8hour tests
Sample BKG-2

See attached revised chain of custody - **Only Analyze samples highlighted in yellow**.

Please confirm you were able to stop analyses on all samples not highlighted.

Thanks,

Karen A. Emery, P.G.
Senior Geologist

Fugro Consultants, Inc.
1000 Broadway, Suite 440
Oakland, California 94607
Office: (510) 268-0461 / Direct: (510) 267-4432 / Cell: (510) 610-2832
kemery@fugro.com / www.FugroConsultants.com

Analyze samples highlighted in yellow only
- Kenny 4/27/14

ES-F10 CHAIN OF CUSTODY

PROJECT NAME: Mercury Cleaners
PROJECT NO.: 04.72120008 LAB: ATL
PROJECT CONTACT: M.D'Anna / J. Alexander TURNAROUND: 5 Day
SAMPLED BY: K. Emery /M. D'Anna

LAB I.D. NUMBER	FIELD SAMPLE I.D.	MATRIX: WATER	MATRIX: SOIL	MATRIX: AIR	Sample Container: 6L SUMMA	Flow Controller ID	START SAMPLING DATE/TIME: MONTH	DAY	YEAR	TIME	Starting Pressure	END SAMPLING DATE/TIME: MONTH	DAY	YEAR	TIME	Final Pressure	ANALYSIS REQUESTED: TO-15 SIM **	TO-3
	AQ-6(8)			X	X	ATL00223	01	19	14	0922	-28	01	19	14	1554	-2	X	X
	AQ-6(24)			X	X	ATL00299	01	19	14	0922	-30	/	20	/	0822	-20	X	
	AQ-7(8)			X	X	ATL00348	01	19	14	0925	-30	/	19	/	1556	-4	X	X
	AQ-7(24)			X	X	ATL00166	01	19	14	0925	-30	/	20	/	0825	-24	X	X
	AQ-8(8)			X	X	ATL00331	01	19	14	0927	-30	/	19	/	1558	-5	X	X
	AQ-8(24)			X	X	ATL00289	01	19	14	0927	-30	/	20	/	0827	-10	X	
	AQ-9(8)			X	X	ATL00221	01	19	14	0929	-26	/	19	/	1555	-4	X	X
	AQ-9(24)			X	X	ATL00395	01	19	14	0929	-25	/	20	/	0810	-2	X	
	AQ-10(8)			X	X	ATL00226	01	19	14	0941	-30	/	19	/	1628	-4	X	X
	AQ-10(24)			X	X	ATL00224	01	19	14	0941	-30	/	20	/	0902	-13	X	
	AQ-11(8)			X	X	ATL00127	01	19	14	1002	-23	/	19	/	1626	-1	X	X
	AQ-11(24)			X	X	ATL00867	01	19	14	1002	-29	/	20	/	0903	-18	X	
	BK6-2			X	X	ATL00868	01	19	14	0902	-30	/	20	/	0744	-3	X	
	DUP-2			X	X	ATL00229	01	19	14	1018	0*	01	20	14	0836	0*	X	

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
MDD			
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

COMMENTS & NOTES: PLEASE REFER TO QUOTE # R14A141 FOR BILLING PURPOSES. PLEASE PROVIDE CHROMATOGRAPHS FOR TO-3 ANALYSIS. IF THERE IS A FEE, PLEASE CONTACT JERIANN ALEXANDER AT 916-773-2600 x128 TO DISCUSS FIRST.

DUP-2 - start pressure @ 0, check canister & regulator for malfunction.

NOTE High pressure values @ end of 24hr test.

FUGRO CONSULTANTS, INC.
1000 Broadway, Suite 440
Oakland, California 94607
Tel: 510.268.0461 Fax: 510.268.0545

Approved by Glenn Young, Environmental Services Manager, Fugro Consultants Inc., December 2011
Note: If this is a printed copy, please check the online QMS to ensure that it is the latest version.

ADVANCED TECHNOLOGY LABORATORIES

February 12, 2014

ELAP No.: 1838
NELAP No.: 02107CA
CSDLAC No.: 10196
ORELAP No.: CA300003
TCEQ No.: T104704502

Michael D'Anna/Jeriann Alexander
Fugro West, Inc.
1000 Broadway, Suite 440
Oakland, CA 94607
Tel: (510) 268-0461
Fax:(510) 268-0137

Re: ATL Work Order Number : 1400314
Client Reference : Mercury Cleaners, 04.72120008 Phase

Enclosed are the results for sample(s) received on February 03, 2014 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.

Certificate of Analysis

Fugro West, Inc.		Project Number :	Mercury Cleaners, 04.72120008 Phase
1000 Broadway, Suite 440		Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607		Reported :	02/12/2014

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EZ-OUT	1400314-01	Product	1/30/14 8:50	2/03/14 8:30
EZ-OUT	1400314-01	Product	1/30/14 8:50	2/03/14 8:30
GIPOT	1400314-02	Product	1/30/14 9:10	2/03/14 8:30
GIPOT	1400314-02	Product	1/30/14 9:10	2/03/14 8:30
PYRATEX	1400314-03	Product	1/30/14 10:20	2/03/14 8:30
PYRATEX	1400314-03	Product	1/30/14 10:20	2/03/14 8:30
LUBRIPLATE	1400314-04	Product	1/30/14 10:15	2/03/14 8:30
LUBRIPLATE	1400314-04	Product	1/30/14 10:15	2/03/14 8:30
Drain	1400314-05	Water	1/30/14 11:15	2/03/14 8:30

Certificate of Analysis

Fugro West, Inc.	Project Number :	Mercury Cleaners, 04.72120008 Phase
1000 Broadway, Suite 440	Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607	Reported :	02/12/2014

Client Sample ID EZ-OUT
Lab ID: 1400314-01

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: TP

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	**85000**	20000	NA	20000	B4B0036	02/04/2014	02/04/14 16:25	
Surrogate: 4-Bromofluorobenzene	*78.8 %*	*48 - 137*			B4B0036	02/04/2014	*02/04/14 16:25*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**820000**	10000	NA	100	B4B0057	02/05/2014	02/07/14 11:25	
Stoddard Solvent	**710000**	10000	NA	100	B4B0057	02/05/2014	02/07/14 11:25	F6
Surrogate: p-Terphenyl	*0%*	*62 - 136*			B4B0057	02/05/2014	*02/07/14 11:25*	S4

Volatile Organic Compounds by EPA 8260B

Analyst: TP

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
1,1,1-Trichloroethane	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
1,1,2,2-Tetrachloroethane	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
1,1,2-Trichloroethane	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
1,1-Dichloroethane	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
1,1-Dichloroethene	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
1,1-Dichloropropene	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
1,2,3-Trichloropropane	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
1,2,3-Trichlorobenzene	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
1,2,4-Trichlorobenzene	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
1,2,4-Trimethylbenzene	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
1,2-Dibromo-3-chloropropane	ND	10000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
1,2-Dibromoethane	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
1,2-Dichlorobenzene	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
1,2-Dichloroethane	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
1,2-Dichloropropane	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
1,3,5-Trimethylbenzene	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
1,3-Dichlorobenzene	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
1,3-Dichloropropane	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
1,4-Dichlorobenzene	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
2,2-Dichloropropane	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
2-Chlorotoluene	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6

Certificate of Analysis

Fugro West, Inc.	Project Number :	Mercury Cleaners, 04.72120008 Phase
1000 Broadway, Suite 440	Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607	Reported :	02/12/2014

Client Sample ID EZ-OUT
Lab ID: 1400314-01

Volatile Organic Compounds by EPA 8260B **Analyst: TP**

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
4-Isopropyltoluene	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
Benzene	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
Bromobenzene	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
Bromochloromethane	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
Bromodichloromethane	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
Bromoform	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
Bromomethane	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
Carbon disulfide	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
Carbon tetrachloride	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
Chlorobenzene	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
Chloroethane	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
Chloroform	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
Chloromethane	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
cis-1,2-Dichloroethene	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
cis-1,3-Dichloropropene	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
Di-isopropyl ether	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
Dibromochloromethane	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
Dibromomethane	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
Dichlorodifluoromethane	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
Ethyl Acetate	ND	50000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
Ethyl Ether	ND	50000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
Ethyl tert-butyl ether	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
Ethylbenzene	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
Freon-113	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
Hexachlorobutadiene	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
Isopropylbenzene	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
m,p-Xylene	ND	10000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
Methylene chloride	**12000**	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
MTBE	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
n-Butylbenzene	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
n-Propylbenzene	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
Naphthalene	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
o-Xylene	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
sec-Butylbenzene	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
Styrene	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
tert-Amyl methyl ether	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6

Certificate of Analysis

Fugro West, Inc.		Project Number :	Mercury Cleaners, 04.72120008 Phase
1000 Broadway, Suite 440		Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607		Reported :	02/12/2014

Client Sample ID EZ-OUT
Lab ID: 1400314-01

Volatile Organic Compounds by EPA 8260B

Analyst: TP

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butanol	ND	100000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
tert-Butylbenzene	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
Tetrachloroethene	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
Toluene	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
trans-1,2-Dichloroethene	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
trans-1,3-Dichloropropene	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
Trichloroethene	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
Trichlorofluoromethane	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
Vinyl acetate	ND	50000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
Vinyl chloride	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	D6
Surrogate: 1,2-Dichloroethane-d4	*113 %*	*67 - 152*			B4B0066	02/06/2014	*02/06/14 17:26*	
Surrogate: 4-Bromofluorobenzene	*87.1 %*	*59 - 135*			B4B0066	02/06/2014	*02/06/14 17:26*	
Surrogate: Dibromofluoromethane	*75.6 %*	*71 - 150*			B4B0066	02/06/2014	*02/06/14 17:26*	
Surrogate: Toluene-d8	*83.6 %*	*77 - 129*			B4B0066	02/06/2014	*02/06/14 17:26*	

Tentatively Identified Compounds by EPA 8260B

Analyst: TP

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3,7-dimethyl-Nonane	**6300**	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	
4,4-dimethyl-Undecane	ND	5000	NA	1000	B4B0066	02/06/2014	02/06/14 17:26	

Certificate of Analysis

Fugro West, Inc.		Project Number :	Mercury Cleaners, 04.72120008 Phase
1000 Broadway, Suite 440		Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607		Reported :	02/12/2014

Client Sample ID GIPOT
Lab ID: 1400314-02

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: TP

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	**97**	50	NA	50	B4B0088	02/06/2014	02/07/14 13:04	
Surrogate: 4-Bromofluorobenzene	*202 %*	*48 - 137*			B4B0088	02/06/2014	*02/07/14 13:04*	S7

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**900000**	10000	NA	100	B4B0057	02/05/2014	02/07/14 11:42	
Stoddard Solvent	**17000**	10000	NA	100	B4B0057	02/05/2014	02/07/14 11:42	F6
Surrogate: p-Terphenyl	*0%*	*62 - 136*			B4B0057	02/05/2014	*02/07/14 11:42*	S4

Volatile Organic Compounds by EPA 8260B

Analyst: TP

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
1,1,1-Trichloroethane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
1,1,2,2-Tetrachloroethane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
1,1,2-Trichloroethane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
1,1-Dichloroethane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
1,1-Dichloroethene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
1,1-Dichloropropene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
1,2,3-Trichloropropane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
1,2,3-Trichlorobenzene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
1,2,4-Trichlorobenzene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
1,2,4-Trimethylbenzene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
1,2-Dibromo-3-chloropropane	ND	500	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
1,2-Dibromoethane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
1,2-Dichlorobenzene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
1,2-Dichloroethane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
1,2-Dichloropropane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
1,3,5-Trimethylbenzene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
1,3-Dichlorobenzene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
1,3-Dichloropropane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
1,4-Dichlorobenzene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
2,2-Dichloropropane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
2-Chlorotoluene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1

Certificate of Analysis

Fugro West, Inc.		Project Number :	Mercury Cleaners, 04.72120008 Phase
1000 Broadway, Suite 440		Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607		Reported :	02/12/2014

Client Sample ID GIPOT
Lab ID: 1400314-02

Volatile Organic Compounds by EPA 8260B **Analyst: TP**

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
4-Isopropyltoluene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
Benzene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
Bromobenzene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
Bromochloromethane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
Bromodichloromethane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
Bromoform	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
Bromomethane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
Carbon disulfide	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
Carbon tetrachloride	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
Chlorobenzene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
Chloroethane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
Chloroform	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
Chloromethane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
cis-1,2-Dichloroethene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
cis-1,3-Dichloropropene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
Di-isopropyl ether	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
Dibromochloromethane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
Dibromomethane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
Dichlorodifluoromethane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
Ethyl Acetate	ND	2500	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
Ethyl Ether	ND	2500	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
Ethyl tert-butyl ether	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
Ethylbenzene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
Freon-113	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
Hexachlorobutadiene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
Isopropylbenzene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
m,p-Xylene	ND	500	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
Methylene chloride	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
MTBE	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
n-Butylbenzene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
n-Propylbenzene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
Naphthalene	**250**	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
o-Xylene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
sec-Butylbenzene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
Styrene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
tert-Amyl methyl ether	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1

Certificate of Analysis

Fugro West, Inc.		Project Number :	Mercury Cleaners, 04.72120008 Phase
1000 Broadway, Suite 440		Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607		Reported :	02/12/2014

Client Sample ID GIPOT
Lab ID: 1400314-02

Volatile Organic Compounds by EPA 8260B

Analyst: TP

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butanol	ND	5000	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
tert-Butylbenzene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
Tetrachloroethene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
Toluene	**460**	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1, E3, E4
trans-1,2-Dichloroethene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
trans-1,3-Dichloropropene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
Trichloroethene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
Trichlorofluoromethane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
Vinyl acetate	ND	2500	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
Vinyl chloride	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	D1
Surrogate: 1,2-Dichloroethane-d4	*252 %*	*67 - 152*			B4B0066	02/06/2014	*02/06/14 17:09*	S10
Surrogate: 4-Bromofluorobenzene	*119 %*	*59 - 135*			B4B0066	02/06/2014	*02/06/14 17:09*	
Surrogate: Dibromofluoromethane	*127 %*	*71 - 150*			B4B0066	02/06/2014	*02/06/14 17:09*	
Surrogate: Toluene-d8	*196 %*	*77 - 129*			B4B0066	02/06/2014	*02/06/14 17:09*	S10

Tentatively Identified Compounds by EPA 8260B

Analyst: TP

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Methyl ester Decanoic acid	**3900**	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	
Octanal	**5400**	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	
Undecane	**2600**	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	
Methyl ester Octanoic acid	**10000**	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	
Methyl ester Heptanoic acid	**2600**	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	
Ethyl ester Nonanoic acid	**4600**	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	
Ethyl Ester Hexanoic acid	**5300**	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	
Dodecanal	**2700**	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	
Cyclodecane	**2500**	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	
Ethyl ester Octanoic acid	**3600**	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	
Nonanal	**9200**	250	NA	50	B4B0066	02/06/2014	02/06/14 17:09	

Certificate of Analysis

Fugro West, Inc.	Project Number :	Mercury Cleaners, 04.72120008 Phase
1000 Broadway, Suite 440	Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607	Reported :	02/12/2014

Client Sample ID PYRATEX
Lab ID: 1400314-03

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: TP

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	**2300**	2000	NA	2000	B4B0036	02/04/2014	02/04/14 16:57	
Surrogate: 4-Bromofluorobenzene	*90.7 %*	*48 - 137*			B4B0036	02/04/2014	*02/04/14 16:57*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**120000**	5000	NA	50	B4B0057	02/05/2014	02/07/14 12:16	
Stoddard Solvent	**16000**	5000	NA	50	B4B0057	02/05/2014	02/07/14 12:16	F6
Surrogate: p-Terphenyl	*0%*	*62 - 136*			B4B0057	02/05/2014	*02/07/14 12:16*	S4

Volatile Organic Compounds by EPA 8260B

Analyst: TP

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
1,1,1-Trichloroethane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
1,1,2,2-Tetrachloroethane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
1,1,2-Trichloroethane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
1,1-Dichloroethane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
1,1-Dichloroethene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
1,1-Dichloropropene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
1,2,3-Trichloropropane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
1,2,3-Trichlorobenzene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
1,2,4-Trichlorobenzene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
1,2,4-Trimethylbenzene	**4400**	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
1,2-Dibromo-3-chloropropane	ND	500	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
1,2-Dibromoethane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
1,2-Dichlorobenzene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
1,2-Dichloroethane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
1,2-Dichloropropane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
1,3,5-Trimethylbenzene	**2000**	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
1,3-Dichlorobenzene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
1,3-Dichloropropane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
1,4-Dichlorobenzene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
2,2-Dichloropropane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
2-Chlorotoluene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6

Certificate of Analysis

Fugro West, Inc.		Project Number :	Mercury Cleaners, 04.72120008 Phase
1000 Broadway, Suite 440		Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607		Reported :	02/12/2014

Client Sample ID PYRATEX
Lab ID: 1400314-03

Volatile Organic Compounds by EPA 8260B **Analyst: TP**

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
4-Isopropyltoluene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
Benzene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
Bromobenzene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
Bromochloromethane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
Bromodichloromethane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
Bromoform	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
Bromomethane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
Carbon disulfide	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
Carbon tetrachloride	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
Chlorobenzene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
Chloroethane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
Chloroform	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
Chloromethane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
cis-1,2-Dichloroethene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
cis-1,3-Dichloropropene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
Di-isopropyl ether	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
Dibromochloromethane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
Dibromomethane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
Dichlorodifluoromethane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
Ethyl Acetate	ND	2500	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
Ethyl Ether	ND	2500	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
Ethyl tert-butyl ether	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
Ethylbenzene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
Freon-113	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
Hexachlorobutadiene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
Isopropylbenzene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
m,p-Xylene	**680**	500	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
Methylene chloride	**660**	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
MTBE	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
n-Butylbenzene	**760**	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
n-Propylbenzene	**710**	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
Naphthalene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
o-Xylene	**320**	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
sec-Butylbenzene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
Styrene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
tert-Amyl methyl ether	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6

Certificate of Analysis

Fugro West, Inc.		Project Number :	Mercury Cleaners, 04.72120008 Phase
1000 Broadway, Suite 440		Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607		Reported :	02/12/2014

Client Sample ID PYRATEX
Lab ID: 1400314-03

Volatile Organic Compounds by EPA 8260B

Analyst: TP

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butanol	**8100**	5000	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
tert-Butylbenzene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
Tetrachloroethene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
Toluene	**6200**	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
trans-1,2-Dichloroethene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
trans-1,3-Dichloropropene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
Trichloroethene	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
Trichlorofluoromethane	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
Vinyl acetate	ND	2500	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
Vinyl chloride	ND	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	D6
Surrogate: 1,2-Dichloroethane-d4	*134 %*		*67 - 152*		B4B0066	02/06/2014	*02/06/14 16:51*	
Surrogate: 4-Bromofluorobenzene	*108 %*		*59 - 135*		B4B0066	02/06/2014	*02/06/14 16:51*	
Surrogate: Dibromofluoromethane	*118 %*		*71 - 150*		B4B0066	02/06/2014	*02/06/14 16:51*	
Surrogate: Toluene-d8	*102 %*		*77 - 129*		B4B0066	02/06/2014	*02/06/14 16:51*	

Tentatively Identified Compounds by EPA 8260B

Analyst: TP

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2,3-dihydro-4-methyl-1H-Indene	**1500**	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	
2-methyl-2-Propanethiol	**6700**	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	
2,3-dihydro-4,7-dimethyl-1H-Indene	**1300**	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	
3-3'-thiobis[2methyl-1-Propene]	**65000**	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	
1-ethyl-2-methyl-Benzene	**1900**	250	NA	50	B4B0066	02/06/2014	02/06/14 16:51	

Certificate of Analysis

Fugro West, Inc.	Project Number :	Mercury Cleaners, 04.72120008 Phase
1000 Broadway, Suite 440	Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607	Reported :	02/12/2014

Client Sample ID LUBRIPLATE
Lab ID: 1400314-04

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: TP

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	**4300**	2000	NA	2000	B4B0036	02/04/2014	02/04/14 17:12	
Surrogate: 4-Bromofluorobenzene	*87.6 %*	*48 - 137*			B4B0036	02/04/2014	*02/04/14 17:12*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**320000**	5000	NA	50	B4B0057	02/05/2014	02/07/14 12:32	
Stoddard Solvent	**40000**	5000	NA	50	B4B0057	02/05/2014	02/07/14 12:32	F6
Surrogate: p-Terphenyl	*0%*	*62 - 136*			B4B0057	02/05/2014	*02/07/14 12:32*	S4

Volatile Organic Compounds by EPA 8260B

Analyst: TP

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
1,1,1-Trichloroethane	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
1,1,2,2-Tetrachloroethane	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
1,1,2-Trichloroethane	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
1,1-Dichloroethane	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
1,1-Dichloroethene	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
1,1-Dichloropropene	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
1,2,3-Trichloropropane	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
1,2,3-Trichlorobenzene	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
1,2,4-Trichlorobenzene	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
1,2,4-Trimethylbenzene	**5800**	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
1,2-Dibromo-3-chloropropane	ND	500	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
1,2-Dibromoethane	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
1,2-Dichlorobenzene	**410**	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
1,2-Dichloroethane	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
1,2-Dichloropropane	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
1,3,5-Trimethylbenzene	**2800**	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
1,3-Dichlorobenzene	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
1,3-Dichloropropane	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
1,4-Dichlorobenzene	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
2,2-Dichloropropane	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
2-Chlorotoluene	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6

Certificate of Analysis

Fugro West, Inc.		Project Number :	Mercury Cleaners, 04.72120008 Phase
1000 Broadway, Suite 440		Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607		Reported :	02/12/2014

Client Sample ID LUBRIPLATE

Lab ID: 1400314-04

Volatile Organic Compounds by EPA 8260B **Analyst: TP**

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
4-Isopropyltoluene	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
Benzene	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
Bromobenzene	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
Bromochloromethane	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
Bromodichloromethane	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
Bromoform	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
Bromomethane	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
Carbon disulfide	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
Carbon tetrachloride	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
Chlorobenzene	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
Chloroethane	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
Chloroform	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
Chloromethane	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
cis-1,2-Dichloroethene	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
cis-1,3-Dichloropropene	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
Di-isopropyl ether	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
Dibromochloromethane	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
Dibromomethane	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
Dichlorodifluoromethane	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
Ethyl Acetate	ND	2500	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
Ethyl Ether	ND	2500	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
Ethyl tert-butyl ether	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
Ethylbenzene	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
Freon-113	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
Hexachlorobutadiene	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
Isopropylbenzene	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
m,p-Xylene	**860**	500	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
Methylene chloride	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
MTBE	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
n-Butylbenzene	**1100**	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
n-Propylbenzene	**1000**	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
Naphthalene	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
o-Xylene	**470**	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
sec-Butylbenzene	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
Styrene	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
tert-Amyl methyl ether	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6

Certificate of Analysis

Fugro West, Inc.		Project Number :	Mercury Cleaners, 04.72120008 Phase
1000 Broadway, Suite 440		Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607		Reported :	02/12/2014

Client Sample ID LUBRIPLATE
Lab ID: 1400314-04

Volatile Organic Compounds by EPA 8260B

Analyst: TP

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Butanol	ND	5000	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
tert-Butylbenzene	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
Tetrachloroethene	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
Toluene	**8600**	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
trans-1,2-Dichloroethene	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
trans-1,3-Dichloropropene	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
Trichloroethene	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
Trichlorofluoromethane	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
Vinyl acetate	ND	2500	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
Vinyl chloride	ND	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	D6
Surrogate: 1,2-Dichloroethane-d4	*79.5 %*	*67 - 152*			B4B0138	02/11/2014	*02/11/14 20:02*	
Surrogate: 4-Bromofluorobenzene	*94.5 %*	*59 - 135*			B4B0138	02/11/2014	*02/11/14 20:02*	
Surrogate: Dibromofluoromethane	*101 %*	*71 - 150*			B4B0138	02/11/2014	*02/11/14 20:02*	
Surrogate: Toluene-d8	*97.7 %*	*77 - 129*			B4B0138	02/11/2014	*02/11/14 20:02*	

Tentatively Identified Compounds by EPA 8260B

Analyst: TP

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-ethyl-1,4-dimethyl-benzene	**1100**	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	
Di-tert-butyl sulfide	**1200**	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	
dibutyldisulfide	**30000**	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	
2,3-dihydro-4,7-dimethyl-1H-Indene	**1200**	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	
1-ethyl-2-methyl-Benzene	**2700**	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	
1-methyl-3-propyl-benzene	**1100**	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	
2,3-dihydro-4-methyl-1H-Indene	**2000**	250	NA	50	B4B0138	02/11/2014	02/11/14 20:02	

Certificate of Analysis

Fugro West, Inc.		Project Number :	Mercury Cleaners, 04.72120008 Phase
1000 Broadway, Suite 440		Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607		Reported :	02/12/2014

Client Sample ID Drain

Lab ID: 1400314-05

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: vn

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	0.20	NA	1	B4B0034	02/05/2014	02/05/14 17:03	
Surrogate: 4-Bromofluorobenzene	*109 %*	*70 - 130*			B4B0034	02/05/2014	*02/05/14 17:03*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/L)	PQL (mg/L)	MDL (mg/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**8.3**	2.0	NA	10	B4B0070	02/06/2014	02/07/14 11:59	
Stoddard Solvent	**1.3**	0.20	NA	1	B4B0070	02/06/2014	02/07/14 11:59	F6
Surrogate: p-Terphenyl	*62.8 %*	*30 - 142*			B4B0070	02/06/2014	*02/07/14 11:59*	

Volatile Organic Compounds by EPA 8260B

Analyst: DP

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
1,1,1-Trichloroethane	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
1,1,2,2-Tetrachloroethane	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
1,1,2-Trichloroethane	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
1,1-Dichloroethane	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
1,1-Dichloroethene	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
1,1-Dichloropropene	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
1,2,3-Trichloropropane	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
1,2,3-Trichlorobenzene	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
1,2,4-Trichlorobenzene	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
1,2,4-Trimethylbenzene	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
1,2-Dibromo-3-chloropropane	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
1,2-Dibromoethane	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
1,2-Dichlorobenzene	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
1,2-Dichloroethane	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
1,2-Dichloropropane	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
1,3,5-Trimethylbenzene	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
1,3-Dichlorobenzene	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
1,3-Dichloropropane	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
1,4-Dichlorobenzene	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
2,2-Dichloropropane	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
2-Chloroethyl vinyl ether	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	

Certificate of Analysis

Fugro West, Inc.		Project Number :	Mercury Cleaners, 04.72120008 Phase
1000 Broadway, Suite 440		Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607		Reported :	02/12/2014

Client Sample ID Drain

Lab ID: 1400314-05

Volatile Organic Compounds by EPA 8260B **Analyst: DP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2-Chlorotoluene	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
4-Chlorotoluene	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
4-Isopropyltoluene	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
Benzene	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
Bromobenzene	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
Bromochloromethane	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
Bromodichloromethane	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
Bromoform	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
Bromomethane	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
Carbon disulfide	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
Carbon tetrachloride	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
Chlorobenzene	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
Chloroethane	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
Chloroform	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
Chloromethane	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
cis-1,2-Dichloroethene	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
cis-1,3-Dichloropropene	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
Di-isopropyl ether	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
Dibromochloromethane	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
Dibromomethane	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
Dichlorodifluoromethane	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
Ethyl Acetate	ND	50	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
Ethyl Ether	ND	50	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
Ethyl tert-butyl ether	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
Ethylbenzene	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
Freon-113	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
Hexachlorobutadiene	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
Isopropylbenzene	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
m,p-Xylene	ND	10	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
Methylene chloride	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
MTBE	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
n-Butylbenzene	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
n-Propylbenzene	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
Naphthalene	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
o-Xylene	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
sec-Butylbenzene	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
Styrene	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	

Certificate of Analysis

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1000 Broadway, Suite 440		Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607		Reported :	02/12/2014

Client Sample ID Drain

Lab ID: 1400314-05

Volatile Organic Compounds by EPA 8260B — **Analyst: DP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
tert-Amyl methyl ether	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
tert-Butanol	ND	100	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
tert-Butylbenzene	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
Tetrachloroethene	**5.4**	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
Toluene	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
trans-1,2-Dichloroethene	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
trans-1,3-Dichloropropene	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
Trichloroethene	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
Trichlorofluoromethane	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
Vinyl acetate	ND	50	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
Vinyl chloride	ND	5.0	NA	1	B4B0055	02/05/2014	02/05/14 19:17	
Surrogate: 1,2-Dichloroethane-d4	*118 %*		*64 - 146*		B4B0055	02/05/2014	*02/05/14 19:17*	
Surrogate: 4-Bromofluorobenzene	*72.8 %*		*60 - 128*		B4B0055	02/05/2014	*02/05/14 19:17*	
Surrogate: Dibromofluoromethane	*100 %*		*72 - 141*		B4B0055	02/05/2014	*02/05/14 19:17*	
Surrogate: Toluene-d8	*79.4 %*		*61 - 124*		B4B0055	02/05/2014	*02/05/14 19:17*	

Tentatively Identified Compounds by EPA 8260B — **Analyst: DP**

Analyte	Result (ug/L)	PQL (ug/L)	MDL (ug/L)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Methanethiol	**64**	2.5	NA	1	B4B0055	02/05/2014	02/05/14 19:17	

Certificate of Analysis

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Oakland , CA 94607		Reported :	02/12/2014

QUALITY CONTROL SECTION

Gasoline Range Organics by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0034 - GCVOAW									
Blank (B4B0034-BLK1)				Prepared: 2/5/2014 Analyzed: 2/5/2014					
Gasoline Range Organics	ND	0.20			NR				
Surrogate: 4-Bromofluorobenzene	*0.1018*		*0.100000*		*102*	*70 - 130*			
LCS (B4B0034-BS1)				Prepared: 2/5/2014 Analyzed: 2/5/2014					
Gasoline Range Organics	0.957000	0.20	1.00000		95.7	70 - 130			
Surrogate: 4-Bromofluorobenzene	*0.09677*		*0.100000*		*96.8*	*70 - 130*			
LCS Dup (B4B0034-BSD1)				Prepared: 2/5/2014 Analyzed: 2/5/2014					
Gasoline Range Organics	0.960000	0.20	1.00000		96.0	70 - 130	0.313	20	
Surrogate: 4-Bromofluorobenzene	*0.1025*		*0.100000*		*103*	*70 - 130*			
Batch B4B0036 - GCVOAS									
Blank (B4B0036-BLK1)				Prepared: 2/4/2014 Analyzed: 2/4/2014					
Gasoline Range Organics	ND	1.0			NR				
Surrogate: 4-Bromofluorobenzene	*0.2019*		*0.200000*		*101*	*48 - 137*			
LCS (B4B0036-BS1)				Prepared: 2/4/2014 Analyzed: 2/4/2014					
Gasoline Range Organics	5.15100	1.0	5.00000		103	70 - 130			
Surrogate: 4-Bromofluorobenzene	*0.2029*		*0.200000*		*101*	*48 - 137*			
LCS Dup (B4B0036-BSD1)				Prepared: 2/4/2014 Analyzed: 2/4/2014					
Gasoline Range Organics	5.18100	1.0	5.00000		104	70 - 130	0.581	20	
Surrogate: 4-Bromofluorobenzene	*0.2033*		*0.200000*		*102*	*48 - 137*			
Matrix Spike (B4B0036-MS1)		**Source: 1400322-01**		Prepared: 2/4/2014 Analyzed: 2/4/2014					
Gasoline Range Organics	1.88000	1.0	5.00000	ND	37.6	50 - 122			M1
Surrogate: 4-Bromofluorobenzene	*0.1318*		*0.200000*		*65.9*	*48 - 137*			
Matrix Spike Dup (B4B0036-MSD1)		**Source: 1400322-01**		Prepared: 2/4/2014 Analyzed: 2/4/2014					
Gasoline Range Organics	1.76000	1.0	5.00000	ND	35.2	50 - 122	6.59	20	M1
Surrogate: 4-Bromofluorobenzene	*0.1338*		*0.200000*		*66.9*	*48 - 137*			
Batch B4B0088 - GCVOAS									
Blank (B4B0088-BLK1)				Prepared: 2/7/2014 Analyzed: 2/7/2014					
Gasoline Range Organics	ND	1.0			NR				
Surrogate: 4-Bromofluorobenzene	*0.1725*		*0.200000*		*86.3*	*48 - 137*			

Certificate of Analysis

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1000 Broadway, Suite 440		Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607		Reported :	02/12/2014

Gasoline Range Organics by EPA 8015B (Modified) - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0088 - GCVOAS (continued)									
LCS (B4B0088-BS1)				Prepared: 2/7/2014 Analyzed: 2/7/2014					
Gasoline Range Organics	4.04200	1.0	5.00000		80.8	70 - 130			
Surrogate: 4-Bromofluorobenzene	*0.1574*		*0.200000*		*78.7*	*48 - 137*			
LCS Dup (B4B0088-BSD1)				Prepared: 2/7/2014 Analyzed: 2/7/2014					
Gasoline Range Organics	3.78800	1.0	5.00000		75.8	70 - 130	6.49	20	
Surrogate: 4-Bromofluorobenzene	*0.1708*		*0.200000*		*85.4*	*48 - 137*			
Matrix Spike (B4B0088-MS1)		**Source: 1400368-01**		Prepared: 2/7/2014 Analyzed: 2/7/2014					
Gasoline Range Organics	4.25700	1.0	5.00000	ND	85.1	50 - 122			
Surrogate: 4-Bromofluorobenzene	*0.1912*		*0.200000*		*95.6*	*48 - 137*			
Matrix Spike Dup (B4B0088-MSD1)		**Source: 1400368-01**		Prepared: 2/7/2014 Analyzed: 2/7/2014					
Gasoline Range Organics	4.37800	1.0	5.00000	ND	87.6	50 - 122	2.80	20	
Surrogate: 4-Bromofluorobenzene	*0.1932*		*0.200000*		*96.6*	*48 - 137*			

Certificate of Analysis

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Oakland , CA 94607		Reported :	02/12/2014

Diesel Range Organics by EPA 8015B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0057 - WASTE DILUTION									
Blank (B4B0057-BLK1)				Prepared: 2/5/2014 Analyzed: 2/7/2014					
DRO	ND	100			NR				
Stoddard Solvent	ND	100			NR				
Surrogate: p-Terphenyl	*917.4*		*800.000*		*115*	*62 - 136*			
LCS (B4B0057-BS1)				Prepared: 2/5/2014 Analyzed: 2/7/2014					
DRO	12730.1	100	10000.0		127	72 - 131			
Surrogate: p-Terphenyl	*957.0*		*800.000*		*120*	*62 - 136*			
Matrix Spike (B4B0057-MS1)		**Source: 1400314-01**		Prepared: 2/5/2014 Analyzed: 2/7/2014					
DRO	1022600	10000	10000.0	817060	2060	64 - 131			M2
Surrogate: p-Terphenyl	*0.000*		*800.000*		*NR*	*62 - 136*			S4
Matrix Spike Dup (B4B0057-MSD1)		**Source: 1400314-01**		Prepared: 2/5/2014 Analyzed: 2/7/2014					
DRO	988460	10000	10000.0	817060	1710	64 - 131	3.40	20	M2
Surrogate: p-Terphenyl	*0.000*		*800.000*		*NR*	*62 - 136*			S4
Batch B4B0070 - GCSEMI_DRO									
Blank (B4B0070-BLK1)				Prepared: 2/6/2014 Analyzed: 2/6/2014					
DRO	ND	0.20			NR				
Stoddard Solvent	ND	0.20			NR				
Surrogate: p-Terphenyl	*0.08143*		*8.00000E-2*		*102*	*30 - 142*			
LCS (B4B0070-BS1)				Prepared: 2/6/2014 Analyzed: 2/6/2014					
DRO	0.871490	0.20	1.00000		87.1	38 - 129			
Surrogate: p-Terphenyl	*0.05883*		*8.00000E-2*		*73.5*	*30 - 142*			
LCS Dup (B4B0070-BSD1)				Prepared: 2/6/2014 Analyzed: 2/6/2014					
DRO	1.07787	0.20	1.00000		108	38 - 129	21.2	20	R
Surrogate: p-Terphenyl	*0.07600*		*8.00000E-2*		*95.0*	*30 - 142*			

Certificate of Analysis

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Oakland , CA 94607	Reported :	02/12/2014

Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0055 - MSVOAW_LL									
Blank (B4B0055-BLK1)				Prepared: 2/5/2014 Analyzed: 2/5/2014					
1,1,1,2-Tetrachloroethane	ND	5.0			NR				
1,1,1-Trichloroethane	ND	5.0			NR				
1,1,2,2-Tetrachloroethane	ND	5.0			NR				
1,1,2-Trichloroethane	ND	5.0			NR				
1,1-Dichloroethane	ND	5.0			NR				
1,1-Dichloroethene	ND	5.0			NR				
1,1-Dichloropropene	ND	5.0			NR				
1,2,3-Trichloropropane	ND	5.0			NR				
1,2,3-Trichlorobenzene	ND	5.0			NR				
1,2,4-Trichlorobenzene	ND	5.0			NR				
1,2,4-Trimethylbenzene	ND	5.0			NR				
1,2-Dibromo-3-chloropropane	ND	5.0			NR				
1,2-Dibromoethane	ND	5.0			NR				
1,2-Dichlorobenzene	ND	5.0			NR				
1,2-Dichloroethane	ND	5.0			NR				
1,2-Dichloropropane	ND	5.0			NR				
1,3,5-Trimethylbenzene	ND	5.0			NR				
1,3-Dichlorobenzene	ND	5.0			NR				
1,3-Dichloropropane	ND	5.0			NR				
1,4-Dichlorobenzene	ND	5.0			NR				
2,2-Dichloropropane	ND	5.0			NR				
2-Chloroethyl vinyl ether	ND	5.0			NR				
2-Chlorotoluene	ND	5.0			NR				
4-Chlorotoluene	ND	5.0			NR				
4-Isopropyltoluene	ND	5.0			NR				
Benzene	ND	5.0			NR				
Bromobenzene	ND	5.0			NR				
Bromochloromethane	ND	5.0			NR				
Bromodichloromethane	ND	5.0			NR				
Bromoform	ND	5.0			NR				
Bromomethane	ND	5.0			NR				
Carbon disulfide	ND	5.0			NR				
Carbon tetrachloride	ND	5.0			NR				
Chlorobenzene	ND	5.0			NR				
Chloroethane	ND	5.0			NR				
Chloroform	ND	5.0			NR				
Chloromethane	ND	5.0			NR				
cis-1,2-Dichloroethene	ND	5.0			NR				
cis-1,3-Dichloropropene	ND	5.0			NR				
Di-isopropyl ether	ND	5.0			NR				
Dibromochloromethane	ND	5.0			NR				

Certificate of Analysis

Fugro West, Inc.	Project Number :	Mercury Cleaners, 04.72120008 Phase
1000 Broadway, Suite 440	Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607	Reported :	02/12/2014

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0055 - MSVOAW_LL (continued)									
Blank (B4B0055-BLK1) - Continued				Prepared: 2/5/2014 Analyzed: 2/5/2014					
Dibromomethane	ND	5.0			NR				
Dichlorodifluoromethane	ND	5.0			NR				
Ethyl Acetate	ND	50			NR				
Ethyl Ether	ND	50			NR				
Ethyl tert-butyl ether	ND	5.0			NR				
Ethylbenzene	ND	5.0			NR				
Freon-113	ND	5.0			NR				
Hexachlorobutadiene	ND	5.0			NR				
Isopropylbenzene	ND	5.0			NR				
m,p-Xylene	ND	10			NR				
Methylene chloride	ND	5.0			NR				
MTBE	ND	5.0			NR				
n-Butylbenzene	ND	5.0			NR				
n-Propylbenzene	ND	5.0			NR				
Naphthalene	ND	5.0			NR				
o-Xylene	ND	5.0			NR				
sec-Butylbenzene	ND	5.0			NR				
Styrene	ND	5.0			NR				
tert-Amyl methyl ether	ND	5.0			NR				
tert-Butanol	ND	100			NR				
tert-Butylbenzene	ND	5.0			NR				
Tetrachloroethene	ND	5.0			NR				
Toluene	ND	5.0			NR				
trans-1,2-Dichloroethene	ND	5.0			NR				
trans-1,3-Dichloropropene	ND	5.0			NR				
Trichloroethene	ND	5.0			NR				
Trichlorofluoromethane	ND	5.0			NR				
Vinyl acetate	ND	50			NR				
Vinyl chloride	ND	5.0			NR				
Surrogate: 1,2-Dichloroethane-d4	*27.41*		*25.0000*		*110*	*64 - 146*			
Surrogate: 4-Bromofluorobenzene	*17.93*		*25.0000*		*71.7*	*60 - 128*			
Surrogate: Dibromofluoromethane	*23.61*		*25.0000*		*94.4*	*72 - 141*			
Surrogate: Toluene-d8	*19.49*		*25.0000*		*78.0*	*61 - 124*			
LCS (B4B0055-BS1)				Prepared: 2/5/2014 Analyzed: 2/5/2014					
1,1,1,2-Tetrachloroethane	26.9100		20.0000		135	74 - 148			
1,1,1-Trichloroethane	20.6000		20.0000		103	74 - 136			
1,1,2,2-Tetrachloroethane	24.5400		20.0000		123	44 - 147			
1,1,2-Trichloroethane	18.1100		20.0000		90.6	46 - 135			
1,1-Dichloroethane	22.4200		20.0000		112	71 - 154			
1,1-Dichloroethene	16.6900		20.0000		83.4	56 - 131			

Certificate of Analysis

Fugro West, Inc.		Project Number :	Mercury Cleaners, 04.72120008 Phase
1000 Broadway, Suite 440		Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607		Reported :	02/12/2014

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0055 - MSVOAW_LL (continued)									
LCS (B4B0055-BS1) - Continued				Prepared: 2/5/2014 Analyzed: 2/5/2014					
1,1-Dichloropropene	23.3000		20.0000		116	64 - 157			
1,2,3-Trichloropropane	24.0700		20.0000		120	45 - 147			
1,2,3-Trichlorobenzene	36.2600		20.0000		181	22 - 212			
1,2,4-Trichlorobenzene	28.4900		20.0000		142	34 - 198			
1,2,4-Trimethylbenzene	19.9200		20.0000		99.6	75 - 131			
1,2-Dibromo-3-chloropropane	36.8200		20.0000		184	9 - 217			
1,2-Dibromoethane	17.8600		20.0000		89.3	45 - 136			
1,2-Dichlorobenzene	23.0900		20.0000		115	75 - 142			
1,2-Dichloroethane	25.1800		20.0000		126	73 - 139			
1,2-Dichloropropane	21.8000		20.0000		109	61 - 145			
1,3,5-Trimethylbenzene	21.1100		20.0000		106	76 - 132			
1,3-Dichlorobenzene	18.0100		20.0000		90.0	56 - 149			
1,3-Dichloropropane	19.2400		20.0000		96.2	49 - 146			
1,4-Dichlorobenzene	18.0300		20.0000		90.2	70 - 127			
2,2-Dichloropropane	16.8600		20.0000		84.3	32 - 153			
2-Chloroethyl vinyl ether	18.6100		20.0000		93.0	0 - 192			
2-Chlorotoluene	20.0700		20.0000		100	67 - 135			
4-Chlorotoluene	17.6500		20.0000		88.2	61 - 138			
4-Isopropyltoluene	18.4400		20.0000		92.2	66 - 137			
Benzene	23.2700		20.0000		116	69 - 139			
Bromobenzene	19.4600		20.0000		97.3	60 - 138			
Bromochloromethane	18.0800		20.0000		90.4	71 - 127			
Bromodichloromethane	23.7400		20.0000		119	74 - 135			
Bromoform	33.7200		20.0000		169	41 - 200			
Bromomethane	10.2000		20.0000		51.0	1 - 125			
Carbon disulfide	20.7800		20.0000		104	55 - 145			
Carbon tetrachloride	24.1400		20.0000		121	74 - 153			
Chlorobenzene	20.0400		20.0000		100	73 - 127			
Chloroethane	18.6100		20.0000		93.0	40 - 150			
Chloroform	22.1800		20.0000		111	69 - 142			
Chloromethane	23.0800		20.0000		115	7 - 150			
cis-1,2-Dichloroethene	18.7900		20.0000		94.0	69 - 127			
cis-1,3-Dichloropropene	17.8400		20.0000		89.2	52 - 128			
Di-isopropyl ether	28.0900		20.0000		140	55 - 172			
Dibromochloromethane	25.1600		20.0000		126	72 - 142			
Dibromomethane	21.7300		20.0000		109	72 - 125			
Dichlorodifluoromethane	12.6700		20.0000		63.4	0 - 135			
Ethyl Acetate	258.930		200.000		129	38 - 169			
Ethyl Ether	228.970		200.000		114	65 - 159			
Ethyl tert-butyl ether	21.1100		20.0000		106	64 - 152			
Ethylbenzene	19.9000		20.0000		99.5	69 - 139			
Freon-113	16.7900		20.0000		84.0	50 - 155			

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1000 Broadway, Suite 440	Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607	Reported :	02/12/2014

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0055 - MSVOAW_LL (continued)									
LCS (B4B0055-BS1) - Continued				Prepared: 2/5/2014 Analyzed: 2/5/2014					
Hexachlorobutadiene	28.1400		20.0000		141	46 - 206			
Isopropylbenzene	21.6400		20.0000		108	73 - 136			
m,p-Xylene	39.9100		40.0000		99.8	73 - 140			
Methylene chloride	19.1700		20.0000		95.8	71 - 137			
MTBE	18.1100		20.0000		90.6	68 - 133			
n-Butylbenzene	17.6900		20.0000		88.4	75 - 132			
n-Propylbenzene	18.7200		20.0000		93.6	64 - 140			
Naphthalene	30.6800		20.0000		153	18 - 202			
o-Xylene	21.6800		20.0000		108	78 - 138			
sec-Butylbenzene	21.6000		20.0000		108	80 - 138			
Styrene	16.5000		20.0000		82.5	65 - 130			
tert-Amyl methyl ether	20.4300		20.0000		102	53 - 141			
tert-Butanol	145.200		100.000		145	17 - 202			
tert-Butylbenzene	19.8000		20.0000		99.0	69 - 136			
Tetrachloroethene	24.3600		20.0000		122	68 - 151			
Toluene	19.3200		20.0000		96.6	62 - 133			
trans-1,2-Dichloroethene	18.0400		20.0000		90.2	67 - 130			
trans-1,3-Dichloropropene	17.9600		20.0000		89.8	46 - 138			
Trichloroethene	22.5300		20.0000		113	72 - 139			
Trichlorofluoromethane	21.7500		20.0000		109	67 - 157			
Vinyl acetate	298.750		200.000		149	61 - 180			
Vinyl chloride	20.6700		20.0000		103	37 - 144			
Surrogate: 1,2-Dichloroethane-d4	*25.12*		*25.0000*		*100*	*64 - 146*			
Surrogate: 4-Bromofluorobenzene	*16.99*		*25.0000*		*68.0*	*60 - 128*			
Surrogate: Dibromofluoromethane	*21.47*		*25.0000*		*85.9*	*72 - 141*			
Surrogate: Toluene-d8	*19.12*		*25.0000*		*76.5*	*61 - 124*			
LCS Dup (B4B0055-BSD1)				Prepared: 2/5/2014 Analyzed: 2/5/2014					
1,1,1,2-Tetrachloroethane	27.1400		20.0000		136	74 - 148	0.851	20	
1,1,1-Trichloroethane	22.8500		20.0000		114	74 - 136	10.4	20	
1,1,2,2-Tetrachloroethane	23.0700		20.0000		115	44 - 147	6.18	20	
1,1,2-Trichloroethane	17.0800		20.0000		85.4	46 - 135	5.85	20	
1,1-Dichloroethane	24.4400		20.0000		122	71 - 154	8.62	20	
1,1-Dichloroethene	18.4900		20.0000		92.4	56 - 131	10.2	20	
1,1-Dichloropropene	23.5900		20.0000		118	64 - 157	1.24	20	
1,2,3-Trichloropropane	23.2400		20.0000		116	45 - 147	3.51	20	
1,2,3-Trichlorobenzene	39.3400		20.0000		197	22 - 212	8.15	20	
1,2,4-Trichlorobenzene	28.8100		20.0000		144	34 - 198	1.12	20	
1,2,4-Trimethylbenzene	20.4500		20.0000		102	75 - 131	2.63	20	
1,2-Dibromo-3-chloropropane	37.3200		20.0000		187	9 - 217	1.35	20	
1,2-Dibromoethane	16.1500		20.0000		80.8	45 - 136	10.1	20	

Certificate of Analysis

Fugro West, Inc.	Project Number :	Mercury Cleaners, 04.72120008 Phase
1000 Broadway, Suite 440	Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607	Reported :	02/12/2014

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0055 - MSVOAW_LL (continued)									
LCS Dup (B4B0055-BSD1) - Continued				Prepared: 2/5/2014 Analyzed: 2/5/2014					
1,2-Dichlorobenzene	22.9100		20.0000		115	75 - 142	0.783	20	
1,2-Dichloroethane	24.7400		20.0000		124	73 - 139	1.76	20	
1,2-Dichloropropane	21.7000		20.0000		108	61 - 145	0.460	20	
1,3,5-Trimethylbenzene	22.4400		20.0000		112	76 - 132	6.11	20	
1,3-Dichlorobenzene	17.7000		20.0000		88.5	56 - 149	1.74	20	
1,3-Dichloropropane	17.9100		20.0000		89.6	49 - 146	7.16	20	
1,4-Dichlorobenzene	17.8700		20.0000		89.4	70 - 127	0.891	20	
2,2-Dichloropropane	16.5300		20.0000		82.6	32 - 153	1.98	20	
2-Chloroethyl vinyl ether	16.9200		20.0000		84.6	0 - 192	9.51	20	
2-Chlorotoluene	20.2300		20.0000		101	67 - 135	0.794	20	
4-Chlorotoluene	17.5300		20.0000		87.6	61 - 138	0.682	20	
4-Isopropyltoluene	19.5200		20.0000		97.6	66 - 137	5.69	20	
Benzene	23.7200		20.0000		119	69 - 139	1.92	20	
Bromobenzene	19.8300		20.0000		99.2	60 - 138	1.88	20	
Bromochloromethane	18.8100		20.0000		94.0	71 - 127	3.96	20	
Bromodichloromethane	23.7700		20.0000		119	74 - 135	0.126	20	
Bromoform	32.8800		20.0000		164	41 - 200	2.52	20	
Bromomethane	11.7900		20.0000		59.0	1 - 125	14.5	20	
Carbon disulfide	22.3700		20.0000		112	55 - 145	7.37	20	
Carbon tetrachloride	26.7300		20.0000		134	74 - 153	10.2	20	
Chlorobenzene	19.6300		20.0000		98.2	73 - 127	2.07	20	
Chloroethane	20.3700		20.0000		102	40 - 150	9.03	20	
Chloroform	23.4400		20.0000		117	69 - 142	5.52	20	
Chloromethane	24.7500		20.0000		124	7 - 150	6.98	20	
cis-1,2-Dichloroethene	19.5600		20.0000		97.8	69 - 127	4.02	20	
cis-1,3-Dichloropropene	16.6800		20.0000		83.4	52 - 128	6.72	20	
Di-isopropyl ether	29.4200		20.0000		147	55 - 172	4.63	20	
Dibromochloromethane	24.2300		20.0000		121	72 - 142	3.77	20	
Dibromomethane	21.5300		20.0000		108	72 - 125	0.925	20	
Dichlorodifluoromethane	13.6700		20.0000		68.4	0 - 135	7.59	20	
Ethyl Acetate	237.190		200.000		119	38 - 169	8.76	20	
Ethyl Ether	228.190		200.000		114	65 - 159	0.341	20	
Ethyl tert-butyl ether	22.2700		20.0000		111	64 - 152	5.35	20	
Ethylbenzene	19.9600		20.0000		99.8	69 - 139	0.301	20	
Freon-113	19.0700		20.0000		95.4	50 - 155	12.7	20	
Hexachlorobutadiene	31.5300		20.0000		158	46 - 206	11.4	20	
Isopropylbenzene	22.6900		20.0000		113	73 - 136	4.74	20	
m,p-Xylene	40.1800		40.0000		100	73 - 140	0.674	20	
Methylene chloride	20.0100		20.0000		100	71 - 137	4.29	20	
MTBE	18.3900		20.0000		92.0	68 - 133	1.53	20	
n-Butylbenzene	18.1200		20.0000		90.6	75 - 132	2.40	20	
n-Propylbenzene	19.2400		20.0000		96.2	64 - 140	2.74	20	

Certificate of Analysis

Fugro West, Inc.	Project Number :	Mercury Cleaners, 04.72120008 Phase
1000 Broadway, Suite 440	Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607	Reported :	02/12/2014

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0055 - MSVOAW_LL (continued)									
LCS Dup (B4B0055-BSD1) - Continued				Prepared: 2/5/2014 Analyzed: 2/5/2014					
Naphthalene	31.2400		20.0000		156	18 - 202	1.81	20	
o-Xylene	21.7300		20.0000		109	78 - 138	0.230	20	
sec-Butylbenzene	23.5800		20.0000		118	80 - 138	8.76	20	
Styrene	17.2900		20.0000		86.4	65 - 130	4.68	20	
tert-Amyl methyl ether	21.3800		20.0000		107	53 - 141	4.54	20	
tert-Butanol	127.030		100.000		127	17 - 202	13.3	20	
tert-Butylbenzene	21.1200		20.0000		106	69 - 136	6.45	20	
Tetrachloroethene	24.8300		20.0000		124	68 - 151	1.91	20	
Toluene	19.3300		20.0000		96.6	62 - 133	0.0517	20	
trans-1,2-Dichloroethene	19.4000		20.0000		97.0	67 - 130	7.26	20	
trans-1,3-Dichloropropene	16.4000		20.0000		82.0	46 - 138	9.08	20	
Trichloroethene	22.7400		20.0000		114	72 - 139	0.928	20	
Trichlorofluoromethane	24.0400		20.0000		120	67 - 157	10.0	20	
Vinyl acetate	276.490		200.000		138	61 - 180	7.74	20	
Vinyl chloride	22.3100		20.0000		112	37 - 144	7.63	20	
Surrogate: 1,2-Dichloroethane-d4	*24.86*		*25.0000*		*99.4*	*64 - 146*			
Surrogate: 4-Bromofluorobenzene	*16.53*		*25.0000*		*66.1*	*60 - 128*			
Surrogate: Dibromofluoromethane	*22.01*		*25.0000*		*88.0*	*72 - 141*			
Surrogate: Toluene-d8	*19.12*		*25.0000*		*76.5*	*61 - 124*			
Batch B4B0066 - MSVOAS									
Blank (B4B0066-BLK1)				Prepared: 2/6/2014 Analyzed: 2/6/2014					
1,1,1,2-Tetrachloroethane	ND	5.0			NR				
1,1,1-Trichloroethane	ND	5.0			NR				
1,1,2,2-Tetrachloroethane	ND	5.0			NR				
1,1,2-Trichloroethane	ND	5.0			NR				
1,1-Dichloroethane	ND	5.0			NR				
1,1-Dichloroethene	ND	5.0			NR				
1,1-Dichloropropene	ND	5.0			NR				
1,2,3-Trichloropropane	ND	5.0			NR				
1,2,3-Trichlorobenzene	ND	5.0			NR				
1,2,4-Trichlorobenzene	ND	5.0			NR				
1,2,4-Trimethylbenzene	ND	5.0			NR				
1,2-Dibromo-3-chloropropane	ND	10			NR				
1,2-Dibromoethane	ND	5.0			NR				
1,2-Dichlorobenzene	ND	5.0			NR				
1,2-Dichloroethane	ND	5.0			NR				
1,2-Dichloropropane	ND	5.0			NR				
1,3,5-Trimethylbenzene	ND	5.0			NR				
1,3-Dichlorobenzene	ND	5.0			NR				

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Oakland , CA 94607	Reported :	02/12/2014

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0066 - MSVOAS (continued)									
Blank (B4B0066-BLK1) - Continued				Prepared: 2/6/2014 Analyzed: 2/6/2014					
1,3-Dichloropropane	ND	5.0			NR				
1,4-Dichlorobenzene	ND	5.0			NR				
2,2-Dichloropropane	ND	5.0			NR				
2-Chlorotoluene	ND	5.0			NR				
4-Chlorotoluene	ND	5.0			NR				
4-Isopropyltoluene	ND	5.0			NR				
Benzene	ND	5.0			NR				
Bromobenzene	ND	5.0			NR				
Bromochloromethane	ND	5.0			NR				
Bromodichloromethane	ND	5.0			NR				
Bromoform	ND	5.0			NR				
Bromomethane	ND	5.0			NR				
Carbon disulfide	ND	5.0			NR				
Carbon tetrachloride	ND	5.0			NR				
Chlorobenzene	ND	5.0			NR				
Chloroethane	ND	5.0			NR				
Chloroform	ND	5.0			NR				
Chloromethane	ND	5.0			NR				
cis-1,2-Dichloroethene	ND	5.0			NR				
cis-1,3-Dichloropropene	ND	5.0			NR				
Di-isopropyl ether	ND	5.0			NR				
Dibromochloromethane	ND	5.0			NR				
Dibromomethane	ND	5.0			NR				
Dichlorodifluoromethane	ND	5.0			NR				
Ethyl Acetate	ND	50			NR				
Ethyl Ether	ND	50			NR				
Ethyl tert-butyl ether	ND	5.0			NR				
Ethylbenzene	ND	5.0			NR				
Freon-113	ND	5.0			NR				
Hexachlorobutadiene	ND	5.0			NR				
Isopropylbenzene	ND	5.0			NR				
m,p-Xylene	ND	10			NR				
Methylene chloride	ND	5.0			NR				
MTBE	ND	5.0			NR				
n-Butylbenzene	ND	5.0			NR				
n-Propylbenzene	ND	5.0			NR				
Naphthalene	ND	5.0			NR				
o-Xylene	ND	5.0			NR				
sec-Butylbenzene	ND	5.0			NR				
Styrene	ND	5.0			NR				
tert-Amyl methyl ether	ND	5.0			NR				
tert-Butanol	ND	100			NR				

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Oakland , CA 94607	Reported :	02/12/2014

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0066 - MSVOAS (continued)									
Blank (B4B0066-BLK1) - Continued				Prepared: 2/6/2014 Analyzed: 2/6/2014					
tert-Butylbenzene	ND	5.0			NR				
Tetrachloroethene	ND	5.0			NR				
Toluene	ND	5.0			NR				
trans-1,2-Dichloroethene	ND	5.0			NR				
trans-1,3-Dichloropropene	ND	5.0			NR				
Trichloroethene	ND	5.0			NR				
Trichlorofluoromethane	ND	5.0			NR				
Vinyl acetate	ND	50			NR				
Vinyl chloride	ND	5.0			NR				
Surrogate: 1,2-Dichloroethane-d4	*111.9*		*100.000*		*112*	*67 - 152*			
Surrogate: 4-Bromofluorobenzene	*87.64*		*100.000*		*87.6*	*59 - 135*			
Surrogate: Dibromofluoromethane	*96.34*		*100.000*		*96.3*	*71 - 150*			
Surrogate: Toluene-d8	*78.02*		*100.000*		*78.0*	*77 - 129*			
LCS (B4B0066-BS1)				Prepared: 2/6/2014 Analyzed: 2/6/2014					
1,1,1,2-Tetrachloroethane	49.9200	5.0	50.0000		99.8	80 - 133			
1,1,1-Trichloroethane	49.7200	5.0	50.0000		99.4	73 - 133			
1,1,2,2-Tetrachloroethane	42.9600	5.0	50.0000		85.9	74 - 134			
1,1,2-Trichloroethane	46.1600	5.0	50.0000		92.3	83 - 132			
1,1-Dichloroethane	44.7400	5.0	50.0000		89.5	71 - 131			
1,1-Dichloroethene	39.7500	5.0	50.0000		79.5	62 - 129			
1,1-Dichloropropene	38.5100	5.0	50.0000		77.0	76 - 136			
1,2,3-Trichloropropane	46.3400	5.0	50.0000		92.7	71 - 130			
1,2,3-Trichlorobenzene	52.3100	5.0	50.0000		105	76 - 145			
1,2,4-Trichlorobenzene	51.8400	5.0	50.0000		104	73 - 146			
1,2,4-Trimethylbenzene	41.1800	5.0	50.0000		82.4	76 - 142			
1,2-Dibromo-3-chloropropane	58.7700	10	50.0000		118	67 - 135			
1,2-Dibromoethane	47.3200	5.0	50.0000		94.6	84 - 130			
1,2-Dichlorobenzene	48.3300	5.0	50.0000		96.7	82 - 136			
1,2-Dichloroethane	50.4400	5.0	50.0000		101	78 - 137			
1,2-Dichloropropane	46.0400	5.0	50.0000		92.1	80 - 127			
1,3,5-Trimethylbenzene	41.0800	5.0	50.0000		82.2	74 - 150			
1,3-Dichlorobenzene	39.5400	5.0	50.0000		79.1	81 - 138			L3
1,3-Dichloropropane	56.7600	5.0	50.0000		114	85 - 121			
1,4-Dichlorobenzene	43.0900	5.0	50.0000		86.2	81 - 133			
2,2-Dichloropropane	55.2500	5.0	50.0000		110	60 - 137			
2-Chlorotoluene	41.1300	5.0	50.0000		82.3	77 - 138			
4-Chlorotoluene	42.3600	5.0	50.0000		84.7	79 - 141			
4-Isopropyltoluene	43.6800	5.0	50.0000		87.4	74 - 150			
Benzene	40.3800	5.0	50.0000		80.8	82 - 121			L3
Bromobenzene	34.0800	5.0	50.0000		68.2	81 - 133			L4

Certificate of Analysis

Fugro West, Inc.	Project Number :	Mercury Cleaners, 04.72120008 Phase
1000 Broadway, Suite 440	Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607	Reported :	02/12/2014

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0066 - MSVOAS (continued)									
LCS (B4B0066-BS1) - Continued				Prepared: 2/6/2014 Analyzed: 2/6/2014					
Bromochloromethane	43.1700	5.0	50.0000		86.3	82 - 131			
Bromodichloromethane	45.7500	5.0	50.0000		91.5	82 - 133			
Bromoform	41.6700	5.0	50.0000		83.3	78 - 139			
Bromomethane	33.6800	5.0	50.0000		67.4	34 - 185			
Carbon disulfide	34.7400	5.0	50.0000		69.5	39 - 151			
Carbon tetrachloride	43.4100	5.0	50.0000		86.8	71 - 139			
Chlorobenzene	41.4200	5.0	50.0000		82.8	83 - 132			L3
Chloroethane	40.9000	5.0	50.0000		81.8	49 - 140			
Chloroform	48.8800	5.0	50.0000		97.8	80 - 132			
Chloromethane	37.9100	5.0	50.0000		75.8	12 - 149			
cis-1,2-Dichloroethene	42.8100	5.0	50.0000		85.6	83 - 128			
cis-1,3-Dichloropropene	43.1600	5.0	50.0000		86.3	76 - 125			
Di-isopropyl ether	48.1600	5.0	50.0000		96.3	61 - 133			
Dibromochloromethane	56.6200	5.0	50.0000		113	83 - 130			
Dibromomethane	46.1700	5.0	50.0000		92.3	85 - 125			
Dichlorodifluoromethane	51.3800	5.0	50.0000		103	12 - 153			
Ethyl Acetate	578.980	50	500.000		116	64 - 147			
Ethyl Ether	628.560	50	500.000		126	55 - 138			
Ethyl tert-butyl ether	53.7500	5.0	50.0000		108	41 - 149			
Ethylbenzene	47.1300	5.0	50.0000		94.3	81 - 132			
Freon-113	46.9800	5.0	50.0000		94.0	75 - 133			
Hexachlorobutadiene	45.1100	5.0	50.0000		90.2	60 - 152			
Isopropylbenzene	39.2300	5.0	50.0000		78.5	75 - 147			
m,p-Xylene	83.2000	10	100.000		83.2	71 - 150			
Methylene chloride	45.4500	5.0	50.0000		90.9	67 - 138			
MTBE	55.7900	5.0	50.0000		112	55 - 138			
n-Butylbenzene	49.4000	5.0	50.0000		98.8	73 - 148			
n-Propylbenzene	39.6900	5.0	50.0000		79.4	76 - 147			
Naphthalene	61.1300	5.0	50.0000		122	76 - 132			
o-Xylene	39.2600	5.0	50.0000		78.5	70 - 145			
sec-Butylbenzene	40.5500	5.0	50.0000		81.1	78 - 146			
Styrene	36.2000	5.0	50.0000		72.4	78 - 145			L3
tert-Amyl methyl ether	50.9800	5.0	50.0000		102	30 - 152			
tert-Butanol	321.790	100	250.000		129	42 - 140			
tert-Butylbenzene	40.6300	5.0	50.0000		81.3	73 - 150			
Tetrachloroethene	45.8600	5.0	50.0000		91.7	65 - 142			
Toluene	39.7700	5.0	50.0000		79.5	80 - 129			L3
trans-1,2-Dichloroethene	42.1700	5.0	50.0000		84.3	75 - 124			
trans-1,3-Dichloropropene	50.4500	5.0	50.0000		101	82 - 141			
Trichloroethene	38.5200	5.0	50.0000		77.0	75 - 133			
Trichlorofluoromethane	69.5300	5.0	50.0000		139	67 - 160			
Vinyl acetate	591.670	50	500.000		118	71 - 152			

Certificate of Analysis

Fugro West, Inc.		Project Number :	Mercury Cleaners, 04.72120008 Phase
1000 Broadway, Suite 440		Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607		Reported :	02/12/2014

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0066 - MSVOAS (continued)									
LCS (B4B0066-BS1) - Continued				Prepared: 2/6/2014 Analyzed: 2/6/2014					
Vinyl chloride	43.0400	5.0	50.0000		86.1	24 - 152			
Surrogate: 1,2-Dichloroethane-d4	*103.3*		*100.000*		*103*	*67 - 152*			
Surrogate: 4-Bromofluorobenzene	*76.96*		*100.000*		*77.0*	*59 - 135*			
Surrogate: Dibromofluoromethane	*88.40*		*100.000*		*88.4*	*71 - 150*			
Surrogate: Toluene-d8	*71.85*		*100.000*		*71.8*	*77 - 129*			L3

Certificate of Analysis

Fugro West, Inc.	Project Number :	Mercury Cleaners, 04.72120008 Phase
1000 Broadway, Suite 440	Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607	Reported :	02/12/2014

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0066 - MSVOAS (continued)									
LCS Dup (B4B0066-BSD1)				Prepared: 2/6/2014 Analyzed: 2/6/2014					
1,1,1,2-Tetrachloroethane	45.4200	5.0	50.0000		90.8	80 - 133	9.44	20	
1,1,1-Trichloroethane	48.9300	5.0	50.0000		97.9	73 - 133	1.60	20	
1,1,2,2-Tetrachloroethane	50.6700	5.0	50.0000		101	74 - 134	16.5	20	
1,1,2-Trichloroethane	41.5700	5.0	50.0000		83.1	83 - 132	10.5	20	
1,1-Dichloroethane	43.6400	5.0	50.0000		87.3	71 - 131	2.49	20	
1,1-Dichloroethene	34.4600	5.0	50.0000		68.9	62 - 129	14.3	20	
1,1-Dichloropropene	39.5100	5.0	50.0000		79.0	76 - 136	2.56	20	
1,2,3-Trichloropropane	50.7100	5.0	50.0000		101	71 - 130	9.01	20	
1,2,3-Trichlorobenzene	42.6700	5.0	50.0000		85.3	76 - 145	20.3	20	R
1,2,4-Trichlorobenzene	41.8800	5.0	50.0000		83.8	73 - 146	21.3	20	R
1,2,4-Trimethylbenzene	45.7800	5.0	50.0000		91.6	76 - 142	10.6	20	
1,2-Dibromo-3-chloropropane	51.8700	10	50.0000		104	67 - 135	12.5	20	
1,2-Dibromoethane	36.7200	5.0	50.0000		73.4	84 - 130	25.2	20	L3, R
1,2-Dichlorobenzene	42.8100	5.0	50.0000		85.6	82 - 136	12.1	20	
1,2-Dichloroethane	49.0900	5.0	50.0000		98.2	78 - 137	2.71	20	
1,2-Dichloropropane	44.1100	5.0	50.0000		88.2	80 - 127	4.28	20	
1,3,5-Trimethylbenzene	46.4000	5.0	50.0000		92.8	74 - 150	12.2	20	
1,3-Dichlorobenzene	42.1900	5.0	50.0000		84.4	81 - 138	6.48	20	
1,3-Dichloropropane	38.9800	5.0	50.0000		78.0	85 - 121	37.1	20	L3, R
1,4-Dichlorobenzene	41.4000	5.0	50.0000		82.8	81 - 133	4.00	20	
2,2-Dichloropropane	52.2600	5.0	50.0000		105	60 - 137	5.56	20	
2-Chlorotoluene	45.6100	5.0	50.0000		91.2	77 - 138	10.3	20	
4-Chlorotoluene	45.8500	5.0	50.0000		91.7	79 - 141	7.91	20	
4-Isopropyltoluene	44.8000	5.0	50.0000		89.6	74 - 150	2.53	20	
Benzene	40.9000	5.0	50.0000		81.8	82 - 121	1.28	20	L3
Bromobenzene	40.1700	5.0	50.0000		80.3	81 - 133	16.4	20	L3
Bromochloromethane	42.8100	5.0	50.0000		85.6	82 - 131	0.837	20	
Bromodichloromethane	46.4000	5.0	50.0000		92.8	82 - 133	1.41	20	
Bromoform	46.2400	5.0	50.0000		92.5	78 - 139	10.4	20	
Bromomethane	31.6100	5.0	50.0000		63.2	34 - 185	6.34	20	
Carbon disulfide	29.2500	5.0	50.0000		58.5	39 - 151	17.2	20	
Carbon tetrachloride	45.1700	5.0	50.0000		90.3	71 - 139	3.97	20	
Chlorobenzene	42.3500	5.0	50.0000		84.7	83 - 132	2.22	20	
Chloroethane	39.7100	5.0	50.0000		79.4	49 - 140	2.95	20	
Chloroform	47.4400	5.0	50.0000		94.9	80 - 132	2.99	20	
Chloromethane	38.4800	5.0	50.0000		77.0	12 - 149	1.49	20	
cis-1,2-Dichloroethene	41.6500	5.0	50.0000		83.3	83 - 128	2.75	20	
cis-1,3-Dichloropropene	41.6200	5.0	50.0000		83.2	76 - 125	3.63	20	
Di-isopropyl ether	45.1500	5.0	50.0000		90.3	61 - 133	6.45	20	
Dibromochloromethane	46.9000	5.0	50.0000		93.8	83 - 130	18.8	20	
Dibromomethane	48.8900	5.0	50.0000		97.8	85 - 125	5.72	20	

Certificate of Analysis

Fugro West, Inc.	Project Number :	Mercury Cleaners, 04.72120008 Phase
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Oakland , CA 94607	Reported :	02/12/2014

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0066 - MSVOAS (continued)									
LCS Dup (B4B0066-BSD1) - Continued				Prepared: 2/6/2014 Analyzed: 2/6/2014					
Dichlorodifluoromethane	48.9900	5.0	50.0000		98.0	12 - 153	4.76	20	
Ethyl Acetate	543.190	50	500.000		109	64 - 147	6.38	20	
Ethyl Ether	588.070	50	500.000		118	55 - 138	6.66	20	
Ethyl tert-butyl ether	50.9200	5.0	50.0000		102	41 - 149	5.41	20	
Ethylbenzene	44.7200	5.0	50.0000		89.4	81 - 132	5.25	20	
Freon-113	39.7600	5.0	50.0000		79.5	75 - 133	16.6	20	
Hexachlorobutadiene	36.5300	5.0	50.0000		73.1	60 - 152	21.0	20	R
Isopropylbenzene	43.2300	5.0	50.0000		86.5	75 - 147	9.70	20	
m,p-Xylene	95.6900	10	100.000		95.7	71 - 150	14.0	20	
Methylene chloride	45.0500	5.0	50.0000		90.1	67 - 138	0.884	20	
MTBE	52.1100	5.0	50.0000		104	55 - 138	6.82	20	
n-Butylbenzene	43.9400	5.0	50.0000		87.9	73 - 148	11.7	20	
n-Propylbenzene	44.9700	5.0	50.0000		89.9	76 - 147	12.5	20	
Naphthalene	50.5700	5.0	50.0000		101	76 - 132	18.9	20	
o-Xylene	45.6300	5.0	50.0000		91.3	70 - 145	15.0	20	
sec-Butylbenzene	44.6400	5.0	50.0000		89.3	78 - 146	9.60	20	
Styrene	42.1300	5.0	50.0000		84.3	78 - 145	15.1	20	
tert-Amyl methyl ether	49.7400	5.0	50.0000		99.5	30 - 152	2.46	20	
tert-Butanol	290.170	100	250.000		116	42 - 140	10.3	20	
tert-Butylbenzene	44.6800	5.0	50.0000		89.4	73 - 150	9.49	20	
Tetrachloroethene	39.6400	5.0	50.0000		79.3	65 - 142	14.5	20	
Toluene	40.4600	5.0	50.0000		80.9	80 - 129	1.72	20	
trans-1,2-Dichloroethene	40.5300	5.0	50.0000		81.1	75 - 124	3.97	20	
trans-1,3-Dichloropropene	46.4800	5.0	50.0000		93.0	82 - 141	8.19	20	
Trichloroethene	40.5900	5.0	50.0000		81.2	75 - 133	5.23	20	
Trichlorofluoromethane	65.0600	5.0	50.0000		130	67 - 160	6.64	20	
Vinyl acetate	543.100	50	500.000		109	71 - 152	8.56	20	
Vinyl chloride	44.0700	5.0	50.0000		88.1	24 - 152	2.36	20	
Surrogate: 1,2-Dichloroethane-d4	*108.8*		*100.000*		*109*	*67 - 152*			
Surrogate: 4-Bromofluorobenzene	*104.0*		*100.000*		*104*	*59 - 135*			
Surrogate: Dibromofluoromethane	*94.73*		*100.000*		*94.7*	*71 - 150*			
Surrogate: Toluene-d8	*83.29*		*100.000*		*83.3*	*77 - 129*			

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Fugro West, Inc.	Project Number :	Mercury Cleaners, 04.72120008 Phase
1000 Broadway, Suite 440	Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607	Reported :	02/12/2014

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0066 - MSVOAS (continued)									
Matrix Spike (B4B0066-MS1)		**Source: 1400362-01**		Prepared: 2/6/2014 Analyzed: 2/6/2014					
1,1,1,2-Tetrachloroethane	55.5700	5.0	50.0000	ND	111	50 - 139			
1,1,1-Trichloroethane	59.1800	5.0	50.0000	ND	118	63 - 129			
1,1,2,2-Tetrachloroethane	65.0700	5.0	50.0000	ND	130	44 - 137			
1,1,2-Trichloroethane	56.3400	5.0	50.0000	ND	113	60 - 135			
1,1-Dichloroethane	52.5200	5.0	50.0000	ND	105	62 - 122			
1,1-Dichloroethene	52.2400	5.0	50.0000	ND	104	51 - 125			
1,1-Dichloropropene	47.4900	5.0	50.0000	ND	95.0	57 - 137			
1,2,3-Trichloropropane	67.5100	5.0	50.0000	ND	135	51 - 131			M1
1,2,3-Trichlorobenzene	56.3100	5.0	50.0000	ND	113	0 - 159			
1,2,4-Trichlorobenzene	55.2200	5.0	50.0000	ND	110	0 - 158			
1,2,4-Trimethylbenzene	58.5200	5.0	50.0000	ND	117	29 - 154			
1,2-Dibromo-3-chloropropane	61.2400	10	50.0000	ND	122	45 - 134			
1,2-Dibromoethane	55.3900	5.0	50.0000	ND	111	56 - 138			
1,2-Dichlorobenzene	55.9200	5.0	50.0000	ND	112	26 - 151			
1,2-Dichloroethane	57.7600	5.0	50.0000	ND	116	62 - 135			
1,2-Dichloropropane	49.0800	5.0	50.0000	ND	98.2	63 - 124			
1,3,5-Trimethylbenzene	57.9800	5.0	50.0000	ND	116	36 - 157			
1,3-Dichlorobenzene	55.2600	5.0	50.0000	ND	111	28 - 151			
1,3-Dichloropropane	55.1100	5.0	50.0000	ND	110	59 - 126			
1,4-Dichlorobenzene	54.6200	5.0	50.0000	ND	109	27 - 147			
2,2-Dichloropropane	62.7500	5.0	50.0000	ND	126	51 - 131			
2-Chlorotoluene	58.0300	5.0	50.0000	ND	116	38 - 145			
4-Chlorotoluene	58.4000	5.0	50.0000	ND	117	32 - 151			
4-Isopropyltoluene	59.6000	5.0	50.0000	ND	119	28 - 160			
Benzene	46.5800	5.0	50.0000	ND	93.2	61 - 123			
Bromobenzene	52.9400	5.0	50.0000	ND	106	37 - 146			
Bromochloromethane	52.1500	5.0	50.0000	ND	104	66 - 129			
Bromodichloromethane	54.8300	5.0	50.0000	ND	110	59 - 136			
Bromoform	54.9500	5.0	50.0000	ND	110	44 - 149			
Bromomethane	35.1100	5.0	50.0000	0.970000	68.3	24 - 173			
Carbon disulfide	41.8900	5.0	50.0000	ND	83.8	30 - 142			
Carbon tetrachloride	51.7600	5.0	50.0000	ND	104	55 - 140			
Chlorobenzene	50.8400	5.0	50.0000	ND	102	46 - 140			
Chloroethane	45.7500	5.0	50.0000	ND	91.5	39 - 137			
Chloroform	54.9700	5.0	50.0000	ND	110	67 - 127			
Chloromethane	42.5800	5.0	50.0000	ND	85.2	11 - 139			
cis-1,2-Dichloroethene	52.0300	5.0	50.0000	ND	104	64 - 127			
cis-1,3-Dichloropropene	51.1300	5.0	50.0000	ND	102	50 - 129			
Di-isopropyl ether	54.2600	5.0	50.0000	ND	109	55 - 125			
Dibromochloromethane	56.0100	5.0	50.0000	ND	112	53 - 137			
Dibromomethane	52.8400	5.0	50.0000	ND	106	61 - 129			

Certificate of Analysis

Fugro West, Inc.	Project Number :	Mercury Cleaners, 04.72120008 Phase
1000 Broadway, Suite 440	Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607	Reported :	02/12/2014

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0066 - MSVOAS (continued)									
Matrix Spike (B4B0066-MS1) - Continued		**Source: 1400362-01**		Prepared: 2/6/2014 Analyzed: 2/6/2014					
Dichlorodifluoromethane	61.7600	5.0	50.0000	ND	124	22 - 142			
Ethyl Acetate	643.320	50	500.000	ND	129	15 - 156			
Ethyl Ether	693.320	50	500.000	ND	139	49 - 132			M1
Ethyl tert-butyl ether	60.7500	5.0	50.0000	ND	122	29 - 147			
Ethylbenzene	51.2600	5.0	50.0000	ND	103	44 - 142			
Freon-113	56.1600	5.0	50.0000	ND	112	65 - 127			
Hexachlorobutadiene	48.0700	5.0	50.0000	ND	96.1	6 - 158			
Isopropylbenzene	57.8900	5.0	50.0000	ND	116	40 - 154			
m,p-Xylene	111.200	10	100.000	ND	111	35 - 157			
Methylene chloride	51.0800	5.0	50.0000	ND	102	56 - 128			
MTBE	62.9400	5.0	50.0000	ND	126	45 - 135			
n-Butylbenzene	56.4300	5.0	50.0000	ND	113	25 - 156			
n-Propylbenzene	58.4000	5.0	50.0000	ND	117	39 - 154			
Naphthalene	63.0400	5.0	50.0000	ND	126	9 - 149			
o-Xylene	52.8100	5.0	50.0000	ND	106	35 - 152			
sec-Butylbenzene	58.7600	5.0	50.0000	ND	118	34 - 156			
Styrene	53.1100	5.0	50.0000	ND	106	31 - 157			
tert-Amyl methyl ether	58.7500	5.0	50.0000	ND	118	17 - 151			
tert-Butanol	363.080	100	250.000	ND	145	37 - 155			
tert-Butylbenzene	58.3700	5.0	50.0000	ND	117	37 - 156			
Tetrachloroethene	42.7700	5.0	50.0000	ND	85.5	38 - 147			
Toluene	48.5500	5.0	50.0000	ND	97.1	45 - 140			
trans-1,2-Dichloroethene	48.3600	5.0	50.0000	ND	96.7	64 - 119			
trans-1,3-Dichloropropene	59.3500	5.0	50.0000	ND	119	50 - 147			
Trichloroethene	47.0000	5.0	50.0000	ND	94.0	50 - 146			
Trichlorofluoromethane	80.5900	5.0	50.0000	ND	161	58 - 158			M1
Vinyl acetate	596.880	50	500.000	ND	119	0 - 147			
Vinyl chloride	53.2100	5.0	50.0000	ND	106	15 - 148			
Surrogate: 1,2-Dichloroethane-d4	*132.5*		*100.000*		*132*	*67 - 152*			
Surrogate: 4-Bromofluorobenzene	*97.80*		*100.000*		*97.8*	*59 - 135*			
Surrogate: Dibromofluoromethane	*111.1*		*100.000*		*111*	*71 - 150*			
Surrogate: Toluene-d8	*88.47*		*100.000*		*88.5*	*77 - 129*			

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1000 Broadway, Suite 440	Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607	Reported :	02/12/2014

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0066 - MSVOAS (continued)									
Matrix Spike Dup (B4B0066-MSD1)		**Source: 1400362-01**		Prepared: 2/6/2014 Analyzed: 2/6/2014					
1,1,1,2-Tetrachloroethane	44.2500	5.0	50.0000	ND	88.5	50 - 139	22.7	20	R
1,1,1-Trichloroethane	51.7500	5.0	50.0000	ND	104	63 - 129	13.4	20	
1,1,2,2-Tetrachloroethane	51.9400	5.0	50.0000	ND	104	44 - 137	22.4	20	R
1,1,2-Trichloroethane	46.1400	5.0	50.0000	ND	92.3	60 - 135	19.9	20	
1,1-Dichloroethane	46.0700	5.0	50.0000	ND	92.1	62 - 122	13.1	20	
1,1-Dichloroethene	46.6100	5.0	50.0000	ND	93.2	51 - 125	11.4	20	
1,1-Dichloropropene	41.4900	5.0	50.0000	ND	83.0	57 - 137	13.5	20	
1,2,3-Trichloropropane	51.4200	5.0	50.0000	ND	103	51 - 131	27.1	20	R
1,2,3-Trichlorobenzene	46.4300	5.0	50.0000	ND	92.9	0 - 159	19.2	20	
1,2,4-Trichlorobenzene	46.7600	5.0	50.0000	ND	93.5	0 - 158	16.6	20	
1,2,4-Trimethylbenzene	47.6600	5.0	50.0000	ND	95.3	29 - 154	20.5	20	R
1,2-Dibromo-3-chloropropane	49.7500	10	50.0000	ND	99.5	45 - 134	20.7	20	R
1,2-Dibromoethane	44.5100	5.0	50.0000	ND	89.0	56 - 138	21.8	20	R
1,2-Dichlorobenzene	42.3900	5.0	50.0000	ND	84.8	26 - 151	27.5	20	R
1,2-Dichloroethane	48.3700	5.0	50.0000	ND	96.7	62 - 135	17.7	20	
1,2-Dichloropropane	44.3500	5.0	50.0000	ND	88.7	63 - 124	10.1	20	
1,3,5-Trimethylbenzene	49.4100	5.0	50.0000	ND	98.8	36 - 157	16.0	20	
1,3-Dichlorobenzene	44.7400	5.0	50.0000	ND	89.5	28 - 151	21.0	20	R
1,3-Dichloropropane	43.9200	5.0	50.0000	ND	87.8	59 - 126	22.6	20	R
1,4-Dichlorobenzene	42.4300	5.0	50.0000	ND	84.9	27 - 147	25.1	20	R
2,2-Dichloropropane	55.6600	5.0	50.0000	ND	111	51 - 131	12.0	20	
2-Chlorotoluene	53.6700	5.0	50.0000	ND	107	38 - 145	7.81	20	
4-Chlorotoluene	46.3600	5.0	50.0000	ND	92.7	32 - 151	23.0	20	R
4-Isopropyltoluene	44.2500	5.0	50.0000	ND	88.5	28 - 160	29.6	20	R
Benzene	41.4700	5.0	50.0000	ND	82.9	61 - 123	11.6	20	
Bromobenzene	47.2300	5.0	50.0000	ND	94.5	37 - 146	11.4	20	
Bromochloromethane	45.0500	5.0	50.0000	ND	90.1	66 - 129	14.6	20	
Bromodichloromethane	47.2200	5.0	50.0000	ND	94.4	59 - 136	14.9	20	
Bromoform	40.8100	5.0	50.0000	ND	81.6	44 - 149	29.5	20	R
Bromomethane	33.1900	5.0	50.0000	0.970000	64.4	24 - 173	5.62	20	
Carbon disulfide	37.7900	5.0	50.0000	ND	75.6	30 - 142	10.3	20	
Carbon tetrachloride	45.7700	5.0	50.0000	ND	91.5	55 - 140	12.3	20	
Chlorobenzene	42.8000	5.0	50.0000	ND	85.6	46 - 140	17.2	20	
Chloroethane	41.6200	5.0	50.0000	ND	83.2	39 - 137	9.45	20	
Chloroform	50.1100	5.0	50.0000	ND	100	67 - 127	9.25	20	
Chloromethane	37.7600	5.0	50.0000	ND	75.5	11 - 139	12.0	20	
cis-1,2-Dichloroethene	44.0000	5.0	50.0000	ND	88.0	64 - 127	16.7	20	
cis-1,3-Dichloropropene	42.9400	5.0	50.0000	ND	85.9	50 - 129	17.4	20	
Di-isopropyl ether	47.0700	5.0	50.0000	ND	94.1	55 - 125	14.2	20	
Dibromochloromethane	45.5700	5.0	50.0000	ND	91.1	53 - 137	20.6	20	R
Dibromomethane	47.9400	5.0	50.0000	ND	95.9	61 - 129	9.72	20	

Certificate of Analysis

Fugro West, Inc.	Project Number :	Mercury Cleaners, 04.72120008 Phase
1000 Broadway, Suite 440	Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607	Reported :	02/12/2014

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0066 - MSVOAS (continued)									
Matrix Spike Dup (B4B0066-MSD1) - Continued		**Source: 1400362-01**		Prepared: 2/6/2014 Analyzed: 2/6/2014					
Dichlorodifluoromethane	52.8800	5.0	50.0000	ND	106	22 - 142	15.5	20	
Ethyl Acetate	501.910	50	500.000	ND	100	15 - 156	24.7	20	R
Ethyl Ether	600.460	50	500.000	ND	120	49 - 132	14.4	20	
Ethyl tert-butyl ether	53.3500	5.0	50.0000	ND	107	29 - 147	13.0	20	
Ethylbenzene	44.7800	5.0	50.0000	ND	89.6	44 - 142	13.5	20	
Freon-113	53.3100	5.0	50.0000	ND	107	65 - 127	5.21	20	
Hexachlorobutadiene	42.0900	5.0	50.0000	ND	84.2	6 - 158	13.3	20	
Isopropylbenzene	53.7800	5.0	50.0000	ND	108	40 - 154	7.36	20	
m,p-Xylene	95.8000	10	100.000	ND	95.8	35 - 157	14.9	20	
Methylene chloride	44.6400	5.0	50.0000	ND	89.3	56 - 128	13.5	20	
MTBE	52.5300	5.0	50.0000	ND	105	45 - 135	18.0	20	
n-Butylbenzene	48.3700	5.0	50.0000	ND	96.7	25 - 156	15.4	20	
n-Propylbenzene	53.8500	5.0	50.0000	ND	108	39 - 154	8.11	20	
Naphthalene	51.5700	5.0	50.0000	ND	103	9 - 149	20.0	20	R
o-Xylene	45.6000	5.0	50.0000	ND	91.2	35 - 152	14.7	20	
sec-Butylbenzene	40.1600	5.0	50.0000	ND	80.3	34 - 156	37.6	20	R
Styrene	43.2800	5.0	50.0000	ND	86.6	31 - 157	20.4	20	R
tert-Amyl methyl ether	49.3900	5.0	50.0000	ND	98.8	17 - 151	17.3	20	
tert-Butanol	266.860	100	250.000	ND	107	37 - 155	30.5	20	R
tert-Butylbenzene	47.1800	5.0	50.0000	ND	94.4	37 - 156	21.2	20	R
Tetrachloroethene	39.2800	5.0	50.0000	ND	78.6	38 - 147	8.51	20	
Toluene	41.7200	5.0	50.0000	ND	83.4	45 - 140	15.1	20	
trans-1,2-Dichloroethene	42.5600	5.0	50.0000	ND	85.1	64 - 119	12.8	20	
trans-1,3-Dichloropropene	47.6900	5.0	50.0000	ND	95.4	50 - 147	21.8	20	R
Trichloroethene	40.1900	5.0	50.0000	ND	80.4	50 - 146	15.6	20	
Trichlorofluoromethane	69.8900	5.0	50.0000	ND	140	58 - 158	14.2	20	
Vinyl acetate	470.510	50	500.000	ND	94.1	0 - 147	23.7	20	R
Vinyl chloride	44.1900	5.0	50.0000	ND	88.4	15 - 148	18.5	20	
Surrogate: 1,2-Dichloroethane-d4	*96.05*		*100.000*		*96.0*	*67 - 152*			
Surrogate: 4-Bromofluorobenzene	*78.36*		*100.000*		*78.4*	*59 - 135*			
Surrogate: Dibromofluoromethane	*83.14*		*100.000*		*83.1*	*71 - 150*			
Surrogate: Toluene-d8	*72.21*		*100.000*		*72.2*	*77 - 129*			M1

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Fugro West, Inc.		Project Number :	Mercury Cleaners, 04.72120008 Phase
1000 Broadway, Suite 440		Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607		Reported :	02/12/2014

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0138 - MSVOAS									
Blank (B4B0138-BLK1)				Prepared: 2/11/2014 Analyzed: 2/11/2014					
1,1,1,2-Tetrachloroethane	ND	5.0			NR				
1,1,1-Trichloroethane	ND	5.0			NR				
1,1,2,2-Tetrachloroethane	ND	5.0			NR				
1,1,2-Trichloroethane	ND	5.0			NR				
1,1-Dichloroethane	ND	5.0			NR				
1,1-Dichloroethene	ND	5.0			NR				
1,1-Dichloropropene	ND	5.0			NR				
1,2,3-Trichloropropane	ND	5.0			NR				
1,2,3-Trichlorobenzene	ND	5.0			NR				
1,2,4-Trichlorobenzene	ND	5.0			NR				
1,2,4-Trimethylbenzene	ND	5.0			NR				
1,2-Dibromo-3-chloropropane	ND	10			NR				
1,2-Dibromoethane	ND	5.0			NR				
1,2-Dichlorobenzene	ND	5.0			NR				
1,2-Dichloroethane	ND	5.0			NR				
1,2-Dichloropropane	ND	5.0			NR				
1,3,5-Trimethylbenzene	ND	5.0			NR				
1,3-Dichlorobenzene	ND	5.0			NR				
1,3-Dichloropropane	ND	5.0			NR				
1,4-Dichlorobenzene	ND	5.0			NR				
2,2-Dichloropropane	ND	5.0			NR				
2-Chlorotoluene	ND	5.0			NR				
4-Chlorotoluene	ND	5.0			NR				
4-Isopropyltoluene	ND	5.0			NR				
Benzene	ND	5.0			NR				
Bromobenzene	ND	5.0			NR				
Bromochloromethane	ND	5.0			NR				
Bromodichloromethane	ND	5.0			NR				
Bromoform	ND	5.0			NR				
Bromomethane	ND	5.0			NR				
Carbon disulfide	ND	5.0			NR				
Carbon tetrachloride	ND	5.0			NR				
Chlorobenzene	ND	5.0			NR				
Chloroethane	ND	5.0			NR				
Chloroform	ND	5.0			NR				
Chloromethane	ND	5.0			NR				
cis-1,2-Dichloroethene	ND	5.0			NR				
cis-1,3-Dichloropropene	ND	5.0			NR				
Di-isopropyl ether	ND	5.0			NR				
Dibromochloromethane	ND	5.0			NR				
Dibromomethane	ND	5.0			NR				

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Fugro West, Inc.	Project Number :	Mercury Cleaners, 04.72120008 Phase
1000 Broadway, Suite 440	Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607	Reported :	02/12/2014

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0138 - MSVOAS (continued)									
Blank (B4B0138-BLK1) - Continued				Prepared: 2/11/2014 Analyzed: 2/11/2014					
Dichlorodifluoromethane	ND	5.0			NR				
Ethyl Acetate	ND	50			NR				
Ethyl Ether	ND	50			NR				
Ethyl tert-butyl ether	ND	5.0			NR				
Ethylbenzene	ND	5.0			NR				
Freon-113	ND	5.0			NR				
Hexachlorobutadiene	ND	5.0			NR				
Isopropylbenzene	ND	5.0			NR				
m,p-Xylene	ND	10			NR				
Methylene chloride	ND	5.0			NR				
MTBE	ND	5.0			NR				
n-Butylbenzene	ND	5.0			NR				
n-Propylbenzene	ND	5.0			NR				
Naphthalene	ND	5.0			NR				
o-Xylene	ND	5.0			NR				
sec-Butylbenzene	ND	5.0			NR				
Styrene	ND	5.0			NR				
tert-Amyl methyl ether	ND	5.0			NR				
tert-Butanol	ND	100			NR				
tert-Butylbenzene	ND	5.0			NR				
Tetrachloroethene	ND	5.0			NR				
Toluene	ND	5.0			NR				
trans-1,2-Dichloroethene	ND	5.0			NR				
trans-1,3-Dichloropropene	ND	5.0			NR				
Trichloroethene	ND	5.0			NR				
Trichlorofluoromethane	ND	5.0			NR				
Vinyl acetate	ND	50			NR				
Vinyl chloride	ND	5.0			NR				
Surrogate: 1,2-Dichloroethane-d4	*41.17*		*50.0000*		*82.3*	*67 - 152*			
Surrogate: 4-Bromofluorobenzene	*41.91*		*50.0000*		*83.8*	*59 - 135*			
Surrogate: Dibromofluoromethane	*52.26*		*50.0000*		*105*	*71 - 150*			
Surrogate: Toluene-d8	*49.37*		*50.0000*		*98.7*	*77 - 129*			

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Fugro West, Inc.	Project Number :	Mercury Cleaners, 04.72120008 Phase
1000 Broadway, Suite 440	Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607	Reported :	02/12/2014

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0138 - MSVOAS (continued)									
LCS (B4B0138-BS1)				Prepared: 2/11/2014 Analyzed: 2/11/2014					
1,1,1,2-Tetrachloroethane	52.9200	5.0	50.0000		106	80 - 133			
1,1,1-Trichloroethane	51.2700	5.0	50.0000		103	73 - 133			
1,1,2,2-Tetrachloroethane	61.0100	5.0	50.0000		122	74 - 134			
1,1,2-Trichloroethane	43.8000	5.0	50.0000		87.6	83 - 132			
1,1-Dichloroethane	50.8400	5.0	50.0000		102	71 - 131			
1,1-Dichloroethene	52.2900	5.0	50.0000		105	62 - 129			
1,1-Dichloropropene	55.0900	5.0	50.0000		110	76 - 136			
1,2,3-Trichloropropane	58.6800	5.0	50.0000		117	71 - 130			
1,2,3-Trichlorobenzene	42.3600	5.0	50.0000		84.7	76 - 145			
1,2,4-Trichlorobenzene	43.1700	5.0	50.0000		86.3	73 - 146			
1,2,4-Trimethylbenzene	54.3400	5.0	50.0000		109	76 - 142			
1,2-Dibromo-3-chloropropane	38.7800	10	50.0000		77.6	67 - 135			
1,2-Dibromoethane	41.3900	5.0	50.0000		82.8	84 - 130			L3
1,2-Dichlorobenzene	51.4500	5.0	50.0000		103	82 - 136			
1,2-Dichloroethane	38.7000	5.0	50.0000		77.4	78 - 137			L3
1,2-Dichloropropane	50.9300	5.0	50.0000		102	80 - 127			
1,3,5-Trimethylbenzene	57.7100	5.0	50.0000		115	74 - 150			
1,3-Dichlorobenzene	57.2200	5.0	50.0000		114	81 - 138			
1,3-Dichloropropane	50.2700	5.0	50.0000		101	85 - 121			
1,4-Dichlorobenzene	55.5400	5.0	50.0000		111	81 - 133			
2,2-Dichloropropane	51.4400	5.0	50.0000		103	60 - 137			
2-Chlorotoluene	62.0600	5.0	50.0000		124	77 - 138			
4-Chlorotoluene	58.7600	5.0	50.0000		118	79 - 141			
4-Isopropyltoluene	53.3200	5.0	50.0000		107	74 - 150			
Benzene	51.8000	5.0	50.0000		104	82 - 121			
Bromobenzene	62.7700	5.0	50.0000		126	81 - 133			
Bromochloromethane	45.3000	5.0	50.0000		90.6	82 - 131			
Bromodichloromethane	44.7600	5.0	50.0000		89.5	82 - 133			
Bromoform	45.0400	5.0	50.0000		90.1	78 - 139			
Bromomethane	49.4000	5.0	50.0000		98.8	34 - 185			
Carbon disulfide	49.5300	5.0	50.0000		99.1	39 - 151			
Carbon tetrachloride	52.2700	5.0	50.0000		105	71 - 139			
Chlorobenzene	53.3000	5.0	50.0000		107	83 - 132			
Chloroethane	50.8400	5.0	50.0000		102	49 - 140			
Chloroform	48.9500	5.0	50.0000		97.9	80 - 132			
Chloromethane	36.6900	5.0	50.0000		73.4	12 - 149			
cis-1,2-Dichloroethene	50.4100	5.0	50.0000		101	83 - 128			
cis-1,3-Dichloropropene	47.2000	5.0	50.0000		94.4	76 - 125			
Di-isopropyl ether	51.4100	5.0	50.0000		103	61 - 133			
Dibromochloromethane	48.8700	5.0	50.0000		97.7	83 - 130			
Dibromomethane	43.5500	5.0	50.0000		87.1	85 - 125			

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1000 Broadway, Suite 440	Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607	Reported :	02/12/2014

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0138 - MSVOAS (continued)									
LCS (B4B0138-BS1) - Continued				Prepared: 2/11/2014 Analyzed: 2/11/2014					
Dichlorodifluoromethane	48.4500	5.0	50.0000		96.9	12 - 153			
Ethyl Acetate	454.080	50	500.000		90.8	64 - 147			
Ethyl Ether	475.350	50	500.000		95.1	55 - 138			
Ethyl tert-butyl ether	40.0700	5.0	50.0000		80.1	41 - 149			
Ethylbenzene	54.7300	5.0	50.0000		109	81 - 132			
Freon-113	57.9900	5.0	50.0000		116	75 - 133			
Hexachlorobutadiene	49.0700	5.0	50.0000		98.1	60 - 152			
Isopropylbenzene	74.7000	5.0	50.0000		149	75 - 147			L5
m,p-Xylene	88.5400	10	100.000		88.5	71 - 150			
Methylene chloride	42.4000	5.0	50.0000		84.8	67 - 138			
MTBE	40.3400	5.0	50.0000		80.7	55 - 138			
n-Butylbenzene	57.9700	5.0	50.0000		116	73 - 148			
n-Propylbenzene	62.4100	5.0	50.0000		125	76 - 147			
Naphthalene	39.7400	5.0	50.0000		79.5	76 - 132			
o-Xylene	48.2500	5.0	50.0000		96.5	70 - 145			
sec-Butylbenzene	57.9200	5.0	50.0000		116	78 - 146			
Styrene	47.1500	5.0	50.0000		94.3	78 - 145			
tert-Amyl methyl ether	37.6300	5.0	50.0000		75.3	30 - 152			
tert-Butanol	146.440	100	250.000		58.6	42 - 140			
tert-Butylbenzene	64.6700	5.0	50.0000		129	73 - 150			
Tetrachloroethene	61.6900	5.0	50.0000		123	65 - 142			
Toluene	50.4000	5.0	50.0000		101	80 - 129			
trans-1,2-Dichloroethene	53.7700	5.0	50.0000		108	75 - 124			
trans-1,3-Dichloropropene	42.1500	5.0	50.0000		84.3	82 - 141			
Trichloroethene	53.4500	5.0	50.0000		107	75 - 133			
Trichlorofluoromethane	63.9200	5.0	50.0000		128	67 - 160			
Vinyl acetate	451.420	50	500.000		90.3	71 - 152			
Vinyl chloride	51.1100	5.0	50.0000		102	24 - 152			
Surrogate: 1,2-Dichloroethane-d4	*42.16*		*50.0000*		*84.3*	*67 - 152*			
Surrogate: 4-Bromofluorobenzene	*44.81*		*50.0000*		*89.6*	*59 - 135*			
Surrogate: Dibromofluoromethane	*53.72*		*50.0000*		*107*	*71 - 150*			
Surrogate: Toluene-d8	*48.12*		*50.0000*		*96.2*	*77 - 129*			

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Fugro West, Inc.	Project Number :	Mercury Cleaners, 04.72120008 Phase
1000 Broadway, Suite 440	Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607	Reported :	02/12/2014

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0138 - MSVOAS (continued)									
LCS Dup (B4B0138-BSD1)				Prepared: 2/12/2014 Analyzed: 2/12/2014					
1,1,1,2-Tetrachloroethane	53.1100	5.0	50.0000		106	80 - 133	0.358	20	
1,1,1-Trichloroethane	46.6500	5.0	50.0000		93.3	73 - 133	9.44	20	
1,1,2,2-Tetrachloroethane	58.9100	5.0	50.0000		118	74 - 134	3.50	20	
1,1,2-Trichloroethane	46.3700	5.0	50.0000		92.7	83 - 132	5.70	20	
1,1-Dichloroethane	47.7800	5.0	50.0000		95.6	71 - 131	6.21	20	
1,1-Dichloroethene	45.1700	5.0	50.0000		90.3	62 - 129	14.6	20	
1,1-Dichloropropene	51.1000	5.0	50.0000		102	76 - 136	7.51	20	
1,2,3-Trichloropropane	57.9700	5.0	50.0000		116	71 - 130	1.22	20	
1,2,3-Trichlorobenzene	41.9900	5.0	50.0000		84.0	76 - 145	0.877	20	
1,2,4-Trichlorobenzene	39.7500	5.0	50.0000		79.5	73 - 146	8.25	20	
1,2,4-Trimethylbenzene	50.8500	5.0	50.0000		102	76 - 142	6.64	20	
1,2-Dibromo-3-chloropropane	38.4500	10	50.0000		76.9	67 - 135	0.855	20	
1,2-Dibromoethane	43.1600	5.0	50.0000		86.3	84 - 130	4.19	20	
1,2-Dichlorobenzene	49.9200	5.0	50.0000		99.8	82 - 136	3.02	20	
1,2-Dichloroethane	40.8900	5.0	50.0000		81.8	78 - 137	5.50	20	
1,2-Dichloropropane	51.6000	5.0	50.0000		103	80 - 127	1.31	20	
1,3,5-Trimethylbenzene	53.9500	5.0	50.0000		108	74 - 150	6.73	20	
1,3-Dichlorobenzene	53.8300	5.0	50.0000		108	81 - 138	6.11	20	
1,3-Dichloropropane	51.3900	5.0	50.0000		103	85 - 121	2.20	20	
1,4-Dichlorobenzene	51.2500	5.0	50.0000		102	81 - 133	8.03	20	
2,2-Dichloropropane	39.7700	5.0	50.0000		79.5	60 - 137	25.6	20	R
2-Chlorotoluene	57.3400	5.0	50.0000		115	77 - 138	7.91	20	
4-Chlorotoluene	54.4100	5.0	50.0000		109	79 - 141	7.69	20	
4-Isopropyltoluene	48.8400	5.0	50.0000		97.7	74 - 150	8.77	20	
Benzene	50.8000	5.0	50.0000		102	82 - 121	1.95	20	
Bromobenzene	61.7500	5.0	50.0000		124	81 - 133	1.64	20	
Bromochloromethane	45.2600	5.0	50.0000		90.5	82 - 131	0.0883	20	
Bromodichloromethane	45.2000	5.0	50.0000		90.4	82 - 133	0.978	20	
Bromoform	45.3000	5.0	50.0000		90.6	78 - 139	0.576	20	
Bromomethane	46.1600	5.0	50.0000		92.3	34 - 185	6.78	20	
Carbon disulfide	43.1200	5.0	50.0000		86.2	39 - 151	13.8	20	
Carbon tetrachloride	45.3500	5.0	50.0000		90.7	71 - 139	14.2	20	
Chlorobenzene	53.0700	5.0	50.0000		106	83 - 132	0.432	20	
Chloroethane	44.7000	5.0	50.0000		89.4	49 - 140	12.9	20	
Chloroform	46.7000	5.0	50.0000		93.4	80 - 132	4.70	20	
Chloromethane	33.9200	5.0	50.0000		67.8	12 - 149	7.85	20	
cis-1,2-Dichloroethene	49.0600	5.0	50.0000		98.1	83 - 128	2.71	20	
cis-1,3-Dichloropropene	44.7000	5.0	50.0000		89.4	76 - 125	5.44	20	
Di-isopropyl ether	50.0400	5.0	50.0000		100	61 - 133	2.70	20	
Dibromochloromethane	47.7100	5.0	50.0000		95.4	83 - 130	2.40	20	
Dibromomethane	45.1300	5.0	50.0000		90.3	85 - 125	3.56	20	

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1000 Broadway, Suite 440	Report To :	Michael D'Anna/Jeriann Alexander
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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0138 - MSVOAS (continued)									
LCS Dup (B4B0138-BSD1) - Continued				Prepared: 2/12/2014 Analyzed: 2/12/2014					
Dichlorodifluoromethane	42.8700	5.0	50.0000		85.7	12 - 153	12.2	20	
Ethyl Acetate	453.370	50	500.000		90.7	64 - 147	0.156	20	
Ethyl Ether	467.580	50	500.000		93.5	55 - 138	1.65	20	
Ethyl tert-butyl ether	38.4300	5.0	50.0000		76.9	41 - 149	4.18	20	
Ethylbenzene	52.4700	5.0	50.0000		105	81 - 132	4.22	20	
Freon-113	49.4900	5.0	50.0000		99.0	75 - 133	15.8	20	
Hexachlorobutadiene	47.1000	5.0	50.0000		94.2	60 - 152	4.10	20	
Isopropylbenzene	68.7800	5.0	50.0000		138	75 - 147	8.25	20	
m,p-Xylene	87.0500	10	100.000		87.0	71 - 150	1.70	20	
Methylene chloride	42.2500	5.0	50.0000		84.5	67 - 138	0.354	20	
MTBE	40.6200	5.0	50.0000		81.2	55 - 138	0.692	20	
n-Butylbenzene	50.6800	5.0	50.0000		101	73 - 148	13.4	20	
n-Propylbenzene	56.7300	5.0	50.0000		113	76 - 147	9.54	20	
Naphthalene	42.0500	5.0	50.0000		84.1	76 - 132	5.65	20	
o-Xylene	47.8800	5.0	50.0000		95.8	70 - 145	0.770	20	
sec-Butylbenzene	53.4900	5.0	50.0000		107	78 - 146	7.95	20	
Styrene	46.7400	5.0	50.0000		93.5	78 - 145	0.873	20	
tert-Amyl methyl ether	36.7000	5.0	50.0000		73.4	30 - 152	2.50	20	
tert-Butanol	149.610	100	250.000		59.8	42 - 140	2.14	20	
tert-Butylbenzene	59.9800	5.0	50.0000		120	73 - 150	7.53	20	
Tetrachloroethene	56.3600	5.0	50.0000		113	65 - 142	9.03	20	
Toluene	49.1400	5.0	50.0000		98.3	80 - 129	2.53	20	
trans-1,2-Dichloroethene	49.9700	5.0	50.0000		99.9	75 - 124	7.33	20	
trans-1,3-Dichloropropene	44.1100	5.0	50.0000		88.2	82 - 141	4.54	20	
Trichloroethene	52.7500	5.0	50.0000		106	75 - 133	1.32	20	
Trichlorofluoromethane	56.0400	5.0	50.0000		112	67 - 160	13.1	20	
Vinyl acetate	354.090	50	500.000		70.8	71 - 152	24.2	20	L3, R
Vinyl chloride	43.8300	5.0	50.0000		87.7	24 - 152	15.3	20	
Surrogate: 1,2-Dichloroethane-d4	*40.60*		*50.0000*		*81.2*	*67 - 152*			
Surrogate: 4-Bromofluorobenzene	*43.50*		*50.0000*		*87.0*	*59 - 135*			
Surrogate: Dibromofluoromethane	*52.43*		*50.0000*		*105*	*71 - 150*			
Surrogate: Toluene-d8	*48.37*		*50.0000*		*96.7*	*77 - 129*			

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0138 - MSVOAS (continued)									
Matrix Spike (B4B0138-MS1)		**Source: 1400366-01**		Prepared: 2/11/2014 Analyzed: 2/11/2014					
1,1,1,2-Tetrachloroethane	ND	5.0	50.0000	ND	NR	50 - 139			M1
1,1,1-Trichloroethane	72.0100	5.0	50.0000	ND	144	63 - 129			M1
1,1,2,2-Tetrachloroethane	57.9600	5.0	50.0000	ND	116	44 - 137			
1,1,2-Trichloroethane	184.290	5.0	50.0000	ND	369	60 - 135			M1
1,1-Dichloroethane	6838.44	5.0	50.0000	ND	13700	62 - 122			M1
1,1-Dichloroethene	130.200	5.0	50.0000	ND	260	51 - 125			M1
1,1-Dichloropropene	216.240	5.0	50.0000	ND	432	57 - 137			M1
1,2,3-Trichloropropane	56.8900	5.0	50.0000	ND	114	51 - 131			
1,2,3-Trichlorobenzene	39.4200	5.0	50.0000	ND	78.8	0 - 159			
1,2,4-Trichlorobenzene	39.0800	5.0	50.0000	ND	78.2	0 - 158			
1,2,4-Trimethylbenzene	49.5100	5.0	50.0000	ND	99.0	29 - 154			
1,2-Dibromo-3-chloropropane	37.3100	10	50.0000	ND	74.6	45 - 134			
1,2-Dibromoethane	ND	5.0	50.0000	ND	NR	56 - 138			M1
1,2-Dichlorobenzene	47.0000	5.0	50.0000	ND	94.0	26 - 151			
1,2-Dichloroethane	11918.4	5.0	50.0000	ND	23800	62 - 135			M1
1,2-Dichloropropane	77.4500	5.0	50.0000	ND	155	63 - 124			M1
1,3,5-Trimethylbenzene	52.5500	5.0	50.0000	ND	105	36 - 157			
1,3-Dichlorobenzene	52.4500	5.0	50.0000	ND	105	28 - 151			
1,3-Dichloropropane	ND	5.0	50.0000	ND	NR	59 - 126			M1
1,4-Dichlorobenzene	50.5400	5.0	50.0000	ND	101	27 - 147			
2,2-Dichloropropane	52851.3	5.0	50.0000	ND	106000	51 - 131			M1
2-Chlorotoluene	55.6100	5.0	50.0000	ND	111	38 - 145			
4-Chlorotoluene	54.2100	5.0	50.0000	ND	108	32 - 151			
4-Isopropyltoluene	48.5400	5.0	50.0000	ND	97.1	28 - 160			
Benzene	43.2800	5.0	50.0000	ND	86.6	61 - 123			
Bromobenzene	58.0600	5.0	50.0000	ND	116	37 - 146			
Bromochloromethane	496.510	5.0	50.0000	ND	993	66 - 129			M1
Bromodichloromethane	70.2000	5.0	50.0000	ND	140	59 - 136			M1
Bromoform	124.220	5.0	50.0000	ND	248	44 - 149			M1
Bromomethane	136.890	5.0	50.0000	ND	274	24 - 173			M1
Carbon disulfide	145.680	5.0	50.0000	ND	291	30 - 142			M1
Carbon tetrachloride	78.8500	5.0	50.0000	ND	158	55 - 140			M1
Chlorobenzene	ND	5.0	50.0000	ND	NR	46 - 140			M1
Chloroethane	188.500	5.0	50.0000	ND	377	39 - 137			M1
Chloroform	39.2100	5.0	50.0000	ND	78.4	67 - 127			
Chloromethane	7504.01	5.0	50.0000	ND	15000	11 - 139			M1
cis-1,2-Dichloroethene	126.010	5.0	50.0000	ND	252	64 - 127			M1
cis-1,3-Dichloropropene	2095.52	5.0	50.0000	ND	4190	50 - 129			M1
Di-isopropyl ether	75.0400	5.0	50.0000	ND	150	55 - 125			M1
Dibromochloromethane	ND	5.0	50.0000	ND	NR	53 - 137			M1
Dibromomethane	86.6400	5.0	50.0000	ND	173	61 - 129			M1

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0138 - MSVOAS (continued)									
Matrix Spike (B4B0138-MS1) - Continued		**Source: 1400366-01**		Prepared: 2/11/2014 Analyzed: 2/11/2014					
Dichlorodifluoromethane	55795.2	5.0	50.0000	ND	112000	22 - 142			M1
Ethyl Acetate	155533	50	500.000	ND	31100	15 - 156			M1
Ethyl Ether	29994.1	50	500.000	ND	6000	49 - 132			M1
Ethyl tert-butyl ether	168.750	5.0	50.0000	ND	338	29 - 147			M1
Ethylbenzene	195.960	5.0	50.0000	ND	392	44 - 142			M1
Freon-113	69.2200	5.0	50.0000	ND	138	65 - 127			M1
Hexachlorobutadiene	43.8600	5.0	50.0000	ND	87.7	6 - 158			
Isopropylbenzene	67.3300	5.0	50.0000	ND	135	40 - 154			
m,p-Xylene	ND	10	100.000	ND	NR	35 - 157			M1
Methylene chloride	77.1500	5.0	50.0000	ND	154	56 - 128			M1
MTBE	163.770	5.0	50.0000	ND	328	45 - 135			M1
n-Butylbenzene	51.5400	5.0	50.0000	ND	103	25 - 156			
n-Propylbenzene	56.8600	5.0	50.0000	ND	114	39 - 154			
Naphthalene	36.9100	5.0	50.0000	ND	73.8	9 - 149			
o-Xylene	5.38000	5.0	50.0000	ND	10.8	35 - 152			M1
sec-Butylbenzene	52.6100	5.0	50.0000	ND	105	34 - 156			
Styrene	ND	5.0	50.0000	ND	NR	31 - 157			M1
tert-Amyl methyl ether	378.780	5.0	50.0000	ND	758	17 - 151			M1
tert-Butanol	ND	100	250.000	ND	NR	37 - 155			
tert-Butylbenzene	58.2300	5.0	50.0000	ND	116	37 - 156			
Tetrachloroethene	ND	5.0	50.0000	ND	NR	38 - 147			M1
Toluene	568.180	5.0	50.0000	ND	1140	45 - 140			M1
trans-1,2-Dichloroethene	299.980	5.0	50.0000	ND	600	64 - 119			M1
trans-1,3-Dichloropropene	ND	5.0	50.0000	ND	NR	50 - 147			M1
Trichloroethene	14.9300	5.0	50.0000	ND	29.9	50 - 146			M1
Trichlorofluoromethane	219.500	5.0	50.0000	ND	439	58 - 158			M1
Vinyl acetate	608951	50	500.000	ND	122000	0 - 147			M1
Vinyl chloride	697.430	5.0	50.0000	ND	1390	15 - 148			M1
Surrogate: 1,2-Dichloroethane-d4	*209.3*		*50.0000*		*419*	*67 - 152*			M1
Surrogate: 4-Bromofluorobenzene	*123.3*		*50.0000*		*247*	*59 - 135*			M1
Surrogate: Dibromofluoromethane	*252.9*		*50.0000*		*506*	*71 - 150*			M1
Surrogate: Toluene-d8	*132.3*		*50.0000*		*265*	*77 - 129*			M1

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0138 - MSVOAS (continued)									
Matrix Spike Dup (B4B0138-MSD1)		**Source: 1400366-01**		Prepared: 2/11/2014 Analyzed: 2/11/2014					
1,1,1,2-Tetrachloroethane	51.6700	5.0	50.0000	ND	103	50 - 139		20	
1,1,1-Trichloroethane	48.8400	5.0	50.0000	ND	97.7	63 - 129	38.3	20	R
1,1,2,2-Tetrachloroethane	60.9200	5.0	50.0000	ND	122	44 - 137	4.98	20	
1,1,2-Trichloroethane	43.4100	5.0	50.0000	ND	86.8	60 - 135	124	20	R
1,1-Dichloroethane	48.4300	5.0	50.0000	ND	96.9	62 - 122	197	20	R
1,1-Dichloroethene	47.3200	5.0	50.0000	ND	94.6	51 - 125	93.4	20	R
1,1-Dichloropropene	51.2700	5.0	50.0000	ND	103	57 - 137	123	20	R
1,2,3-Trichloropropane	59.5500	5.0	50.0000	ND	119	51 - 131	4.57	20	
1,2,3-Trichlorobenzene	39.0400	5.0	50.0000	ND	78.1	0 - 159	0.969	20	
1,2,4-Trichlorobenzene	39.4200	5.0	50.0000	ND	78.8	0 - 158	0.866	20	
1,2,4-Trimethylbenzene	51.7200	5.0	50.0000	ND	103	29 - 154	4.37	20	
1,2-Dibromo-3-chloropropane	35.8500	10	50.0000	ND	71.7	45 - 134	3.99	20	
1,2-Dibromoethane	40.3900	5.0	50.0000	ND	80.8	56 - 138		20	
1,2-Dichlorobenzene	48.9200	5.0	50.0000	ND	97.8	26 - 151	4.00	20	
1,2-Dichloroethane	39.3200	5.0	50.0000	ND	78.6	62 - 135	199	20	R
1,2-Dichloropropane	51.9700	5.0	50.0000	ND	104	63 - 124	39.4	20	R
1,3,5-Trimethylbenzene	55.3500	5.0	50.0000	ND	111	36 - 157	5.19	20	
1,3-Dichlorobenzene	53.9700	5.0	50.0000	ND	108	28 - 151	2.86	20	
1,3-Dichloropropane	49.6900	5.0	50.0000	ND	99.4	59 - 126		20	
1,4-Dichlorobenzene	51.7500	5.0	50.0000	ND	104	27 - 147	2.37	20	
2,2-Dichloropropane	47.8500	5.0	50.0000	ND	95.7	51 - 131	200	20	R
2-Chlorotoluene	59.4300	5.0	50.0000	ND	119	38 - 145	6.64	20	
4-Chlorotoluene	56.1600	5.0	50.0000	ND	112	32 - 151	3.53	20	
4-Isopropyltoluene	50.0500	5.0	50.0000	ND	100	28 - 160	3.06	20	
Benzene	50.0500	5.0	50.0000	ND	100	61 - 123	14.5	20	
Bromobenzene	62.6000	5.0	50.0000	ND	125	37 - 146	7.53	20	
Bromochloromethane	44.3400	5.0	50.0000	ND	88.7	66 - 129	167	20	R
Bromodichloromethane	44.9200	5.0	50.0000	ND	89.8	59 - 136	43.9	20	R
Bromoform	44.8100	5.0	50.0000	ND	89.6	44 - 149	94.0	20	R
Bromomethane	46.7400	5.0	50.0000	ND	93.5	24 - 173	98.2	20	R
Carbon disulfide	45.2500	5.0	50.0000	ND	90.5	30 - 142	105	20	R
Carbon tetrachloride	49.3000	5.0	50.0000	ND	98.6	55 - 140	46.1	20	R
Chlorobenzene	50.6200	5.0	50.0000	ND	101	46 - 140		20	
Chloroethane	45.3000	5.0	50.0000	ND	90.6	39 - 137	122	20	R
Chloroform	45.7500	5.0	50.0000	ND	91.5	67 - 127	15.4	20	
Chloromethane	34.8900	5.0	50.0000	ND	69.8	11 - 139	198	20	R
cis-1,2-Dichloroethene	48.2200	5.0	50.0000	ND	96.4	64 - 127	89.3	20	R
cis-1,3-Dichloropropene	46.0800	5.0	50.0000	ND	92.2	50 - 129	191	20	R
Di-isopropyl ether	50.5500	5.0	50.0000	ND	101	55 - 125	39.0	20	R
Dibromochloromethane	47.1800	5.0	50.0000	ND	94.4	53 - 137		20	
Dibromomethane	43.6600	5.0	50.0000	ND	87.3	61 - 129	66.0	20	R

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0138 - MSVOAS (continued)									
Matrix Spike Dup (B4B0138-MSD1) - Continued		**Source: 1400366-01**		Prepared: 2/11/2014 Analyzed: 2/11/2014					
Dichlorodifluoromethane	44.6100	5.0	50.0000	ND	89.2	22 - 142	200	20	R
Ethyl Acetate	396.800	50	500.000	ND	79.4	15 - 156	199	20	R
Ethyl Ether	469.610	50	500.000	ND	93.9	49 - 132	194	20	R
Ethyl tert-butyl ether	38.9700	5.0	50.0000	ND	77.9	29 - 147	125	20	R
Ethylbenzene	50.7200	5.0	50.0000	ND	101	44 - 142	118	20	R
Freon-113	53.0200	5.0	50.0000	ND	106	65 - 127	26.5	20	R
Hexachlorobutadiene	43.7700	5.0	50.0000	ND	87.5	6 - 158	0.205	20	
Isopropylbenzene	72.2000	5.0	50.0000	ND	144	40 - 154	6.98	20	
m,p-Xylene	83.5300	10	100.000	ND	83.5	35 - 157		20	
Methylene chloride	40.5500	5.0	50.0000	ND	81.1	56 - 128	62.2	20	R
MTBE	39.1100	5.0	50.0000	ND	78.2	45 - 135	123	20	R
n-Butylbenzene	52.8000	5.0	50.0000	ND	106	25 - 156	2.42	20	
n-Propylbenzene	59.9500	5.0	50.0000	ND	120	39 - 154	5.29	20	
Naphthalene	37.9100	5.0	50.0000	ND	75.8	9 - 149	2.67	20	
o-Xylene	45.6100	5.0	50.0000	ND	91.2	35 - 152	158	20	R
sec-Butylbenzene	55.1200	5.0	50.0000	ND	110	34 - 156	4.66	20	
Styrene	44.3100	5.0	50.0000	ND	88.6	31 - 157		20	
tert-Amyl methyl ether	36.1600	5.0	50.0000	ND	72.3	17 - 151	165	20	R
tert-Butanol	164.030	100	250.000	ND	65.6	37 - 155		20	
tert-Butylbenzene	61.7300	5.0	50.0000	ND	123	37 - 156	5.84	20	
Tetrachloroethene	56.9100	5.0	50.0000	ND	114	38 - 147		20	
Toluene	48.4300	5.0	50.0000	ND	96.9	45 - 140	169	20	R
trans-1,2-Dichloroethene	50.3900	5.0	50.0000	ND	101	64 - 119	142	20	R
trans-1,3-Dichloropropene	44.0300	5.0	50.0000	ND	88.1	50 - 147		20	
Trichloroethene	51.7900	5.0	50.0000	ND	104	50 - 146	110	20	R
Trichlorofluoromethane	58.6800	5.0	50.0000	ND	117	58 - 158	116	20	R
Vinyl acetate	168.130	50	500.000	ND	33.6	0 - 147	200	20	R
Vinyl chloride	47.1000	5.0	50.0000	ND	94.2	15 - 148	175	20	R
Surrogate: 1,2-Dichloroethane-d4	*42.25*		*50.0000*		*84.5*	*67 - 152*			
Surrogate: 4-Bromofluorobenzene	*42.79*		*50.0000*		*85.6*	*59 - 135*			
Surrogate: Dibromofluoromethane	*52.79*		*50.0000*		*106*	*71 - 150*			
Surrogate: Toluene-d8	*49.34*		*50.0000*		*98.7*	*77 - 129*			

Certificate of Analysis

Fugro West, Inc.		Project Number :	Mercury Cleaners, 04.72120008 Phase
1000 Broadway, Suite 440		Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607		Reported :	02/12/2014

Tentatively Identified Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/L)	PQL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0055 - MSVOAW_LL									
Blank (B4B0055-BLK1)				Prepared: 2/5/2014 Analyzed: 2/5/2014					
Methanethiol	ND	2.5			NR				

Certificate of Analysis

Fugro West, Inc.	Project Number :	Mercury Cleaners, 04.72120008 Phase
1000 Broadway, Suite 440	Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607	Reported :	02/12/2014

Tentatively Identified Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/L)	PQL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0066 - MSVOAS									
Blank (B4B0066-BLK1)				Prepared: 2/6/2014 Analyzed: 2/6/2014					
(2-methyl-1-propenyl)-Benzene	ND	5.0			NR				
1,2,3,4-tetrahydro-Naphthalene	ND	5.0			NR				
1-ethyl-2-methyl-Benzene	ND	5.0			NR				
1-methyl-4-(2-propenyl)-Benzene	ND	5.0			NR				
2,3-dihydro-4,7-dimethyl-1H-Indene	ND	5.0			NR				
2,3-dihydro-4-methyl-1H-Indene	ND	5.0			NR				
2-methyl-1-Propene	ND	5.0			NR				
2-methyl-2-Propanethiol	ND	5.0			NR				
3,7-dimethyl-Nonane	ND	5.0			NR				
3-3'-thiobis[2methyl-1-Propene]	ND	5.0			NR				
4,4-dimethyl-Undecane	ND	5.0			NR				
bis(2-methylpropyl) Disulfide	ND	5.0			NR				
Cyclodecane	ND	5.0			NR				
Dodecanal	ND	5.0			NR				
Ethyl Ester Hexanoic acid	ND	5.0			NR				
Ethyl ester Nonanoic acid	ND	5.0			NR				
Ethyl ester Octanoic acid	ND	5.0			NR				
Methyl ester Decanoic acid	ND	5.0			NR				
Methyl ester Heptanoic acid	ND	5.0			NR				
Methyl ester Octanoic acid	ND	5.0			NR				
Nonanal	ND	5.0			NR				
Octanal	ND	5.0			NR				
Undecane	ND	5.0			NR				

Certificate of Analysis

Fugro West, Inc.		Project Number :	Mercury Cleaners, 04.72120008 Phase
1000 Broadway, Suite 440		Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607		Reported :	02/12/2014

Tentatively Identified Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0138 - MSVOAS									
Blank (B4B0138-BLK1)				Prepared: 2/11/2014 Analyzed: 2/11/2014					
1-ethyl-2-methyl-Benzene	ND	5.0			NR				
1-methyl-3-propyl-benzene	ND	5.0			NR				
2,3-dihydro-4,7-dimethyl-1H-Indene	ND	5.0			NR				
2,3-dihydro-4-methyl-1H-Indene	ND	5.0			NR				
2-ethyl-1,4-dimethyl-benzene	ND	5.0			NR				
dibutyldisulfide	ND	5.0			NR				
Di-tert-butyl sulfide	ND	5.0			NR				

Certificate of Analysis

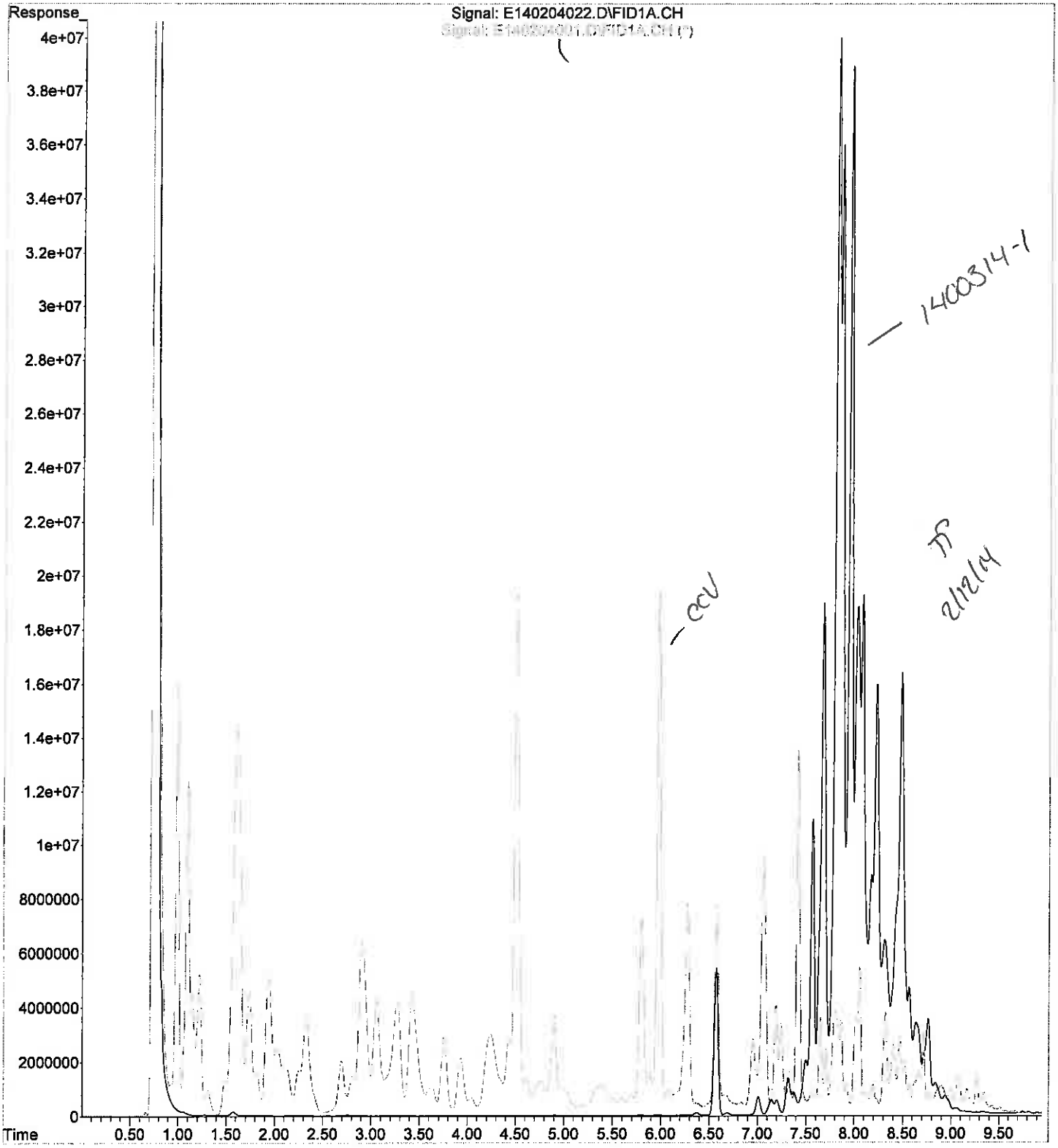
Fugro West, Inc.		Project Number :	Mercury Cleaners, 04.72120008 Phase
1000 Broadway, Suite 440		Report To :	Michael D'Anna/Jeriann Alexander
Oakland , CA 94607		Reported :	02/12/2014

Notes and Definitions

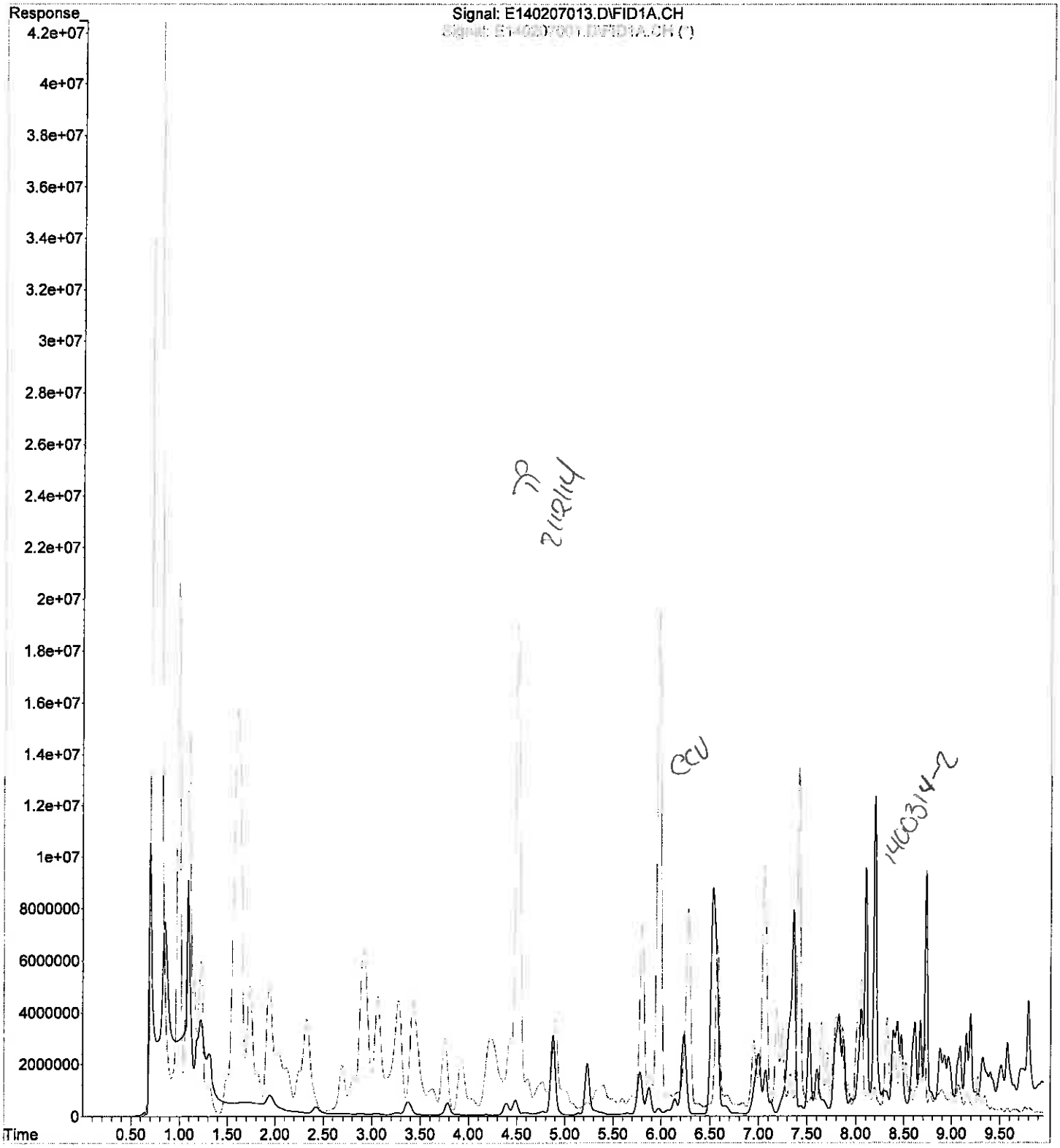
S7	Surrogate recovery was outside of laboratory acceptance limit. Chromatogram shows high concentration of heavy hydrocarbons.
S4	Surrogate was diluted out.
S10	Surrogate recovery outside of laboratory acceptance limit possibly due to matrix interference.
R	RPD value outside acceptance criteria. Calculation is based on raw values.
M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
M1	Matrix spike recovery outside of acceptance limit. The analytical batch was validated by the laboratory control sample.
L5	Laboratory Control Sample high biased. Sample result/s was non-detect (ND) for the target analyte; therefore reanalysis was not necessary.
L4	Laboratory Control Sample outside of control limit but within Marginal Exceedance (ME) limit.
L3	Laboratory control sample outside in-house established limits but within method criteria.
F6	Sample contains hydrocarbons within the stoddard oil range that do not match the stoddard oil pattern. Quantitation was based on a stoddard oil standard.
E4	Result value is estimated.
E3	Internal standard recoveries did not meet method acceptance.
D6	Sample required dilution due to high concentration of target analyte.
D1	Sample required dilution due to possible matrix interference.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA1	CA-NELAP (CDPH)
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)
TX1	TX-NELAP (TCEQ)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

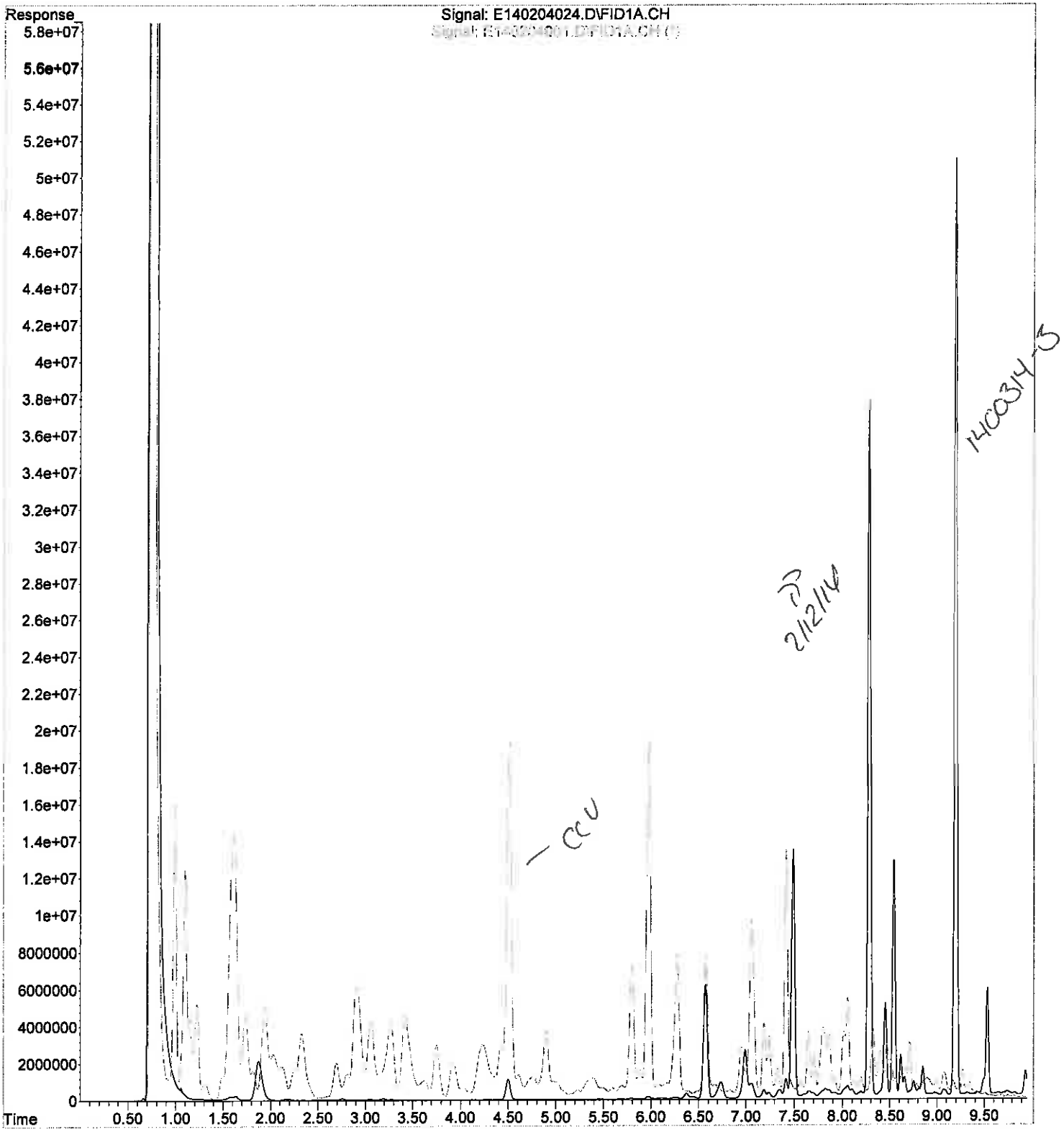
File :D:\2014\140204\E140204022.D
Operator : TP
Acquired : 04 Feb 2014 4:25 pm using AcqMethod 8015_8021.M
Instrument : GC-02
Sample Name: 1400314-01
Misc Info : 20000 B4B0036 5uL-->5g/20mLMEOH
Vial Number: 22



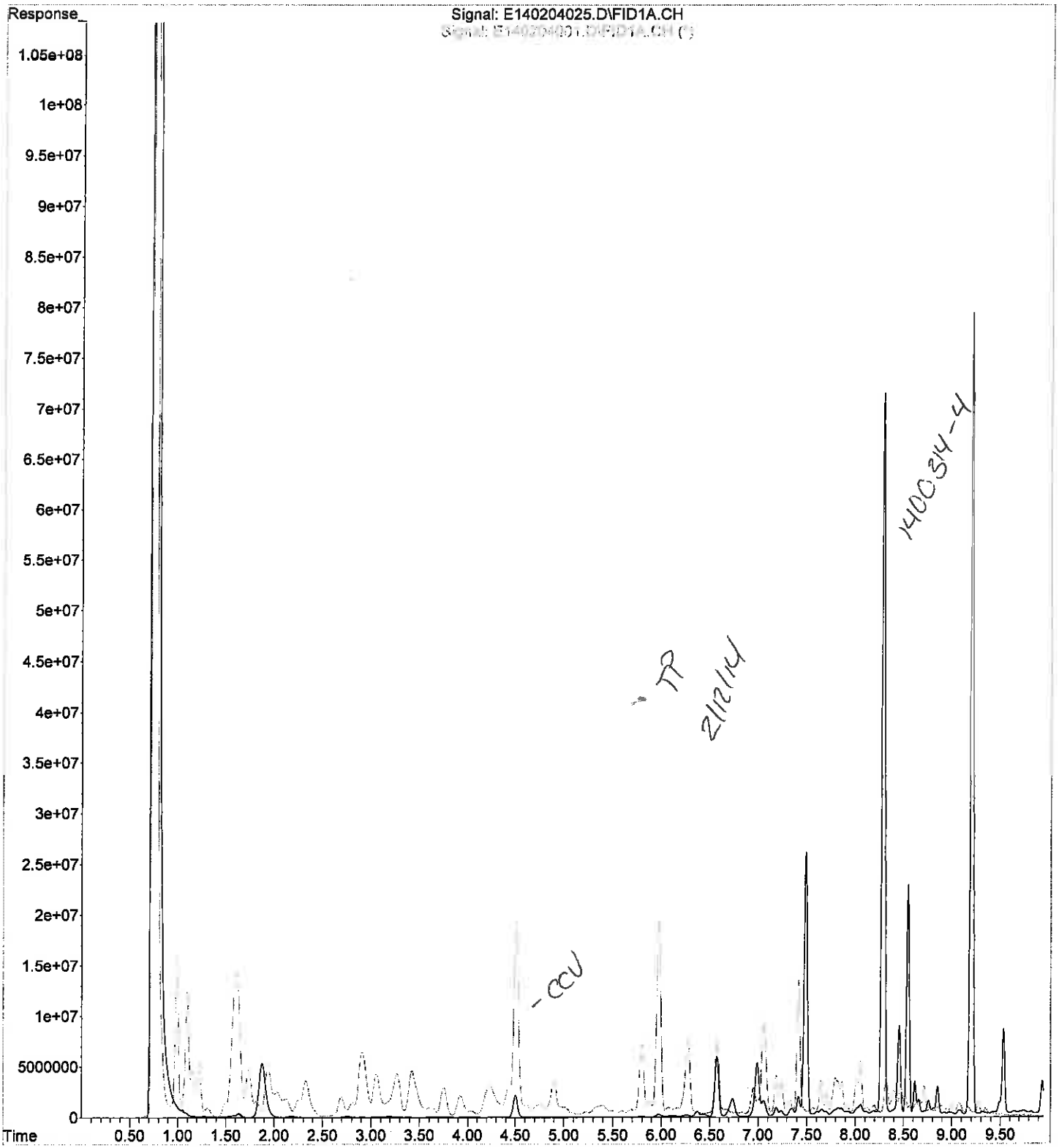
File :D:\2014\140207\E140207013.D
Operator : TP
Acquired : 07 Feb 2014 1:04 pm using AcqMethod 8015_8021.M
Instrument : GC-02
Sample Name: 1400314-02
Misc Info : 50 B4B0088 100ul/5ml
Vial Number: 11



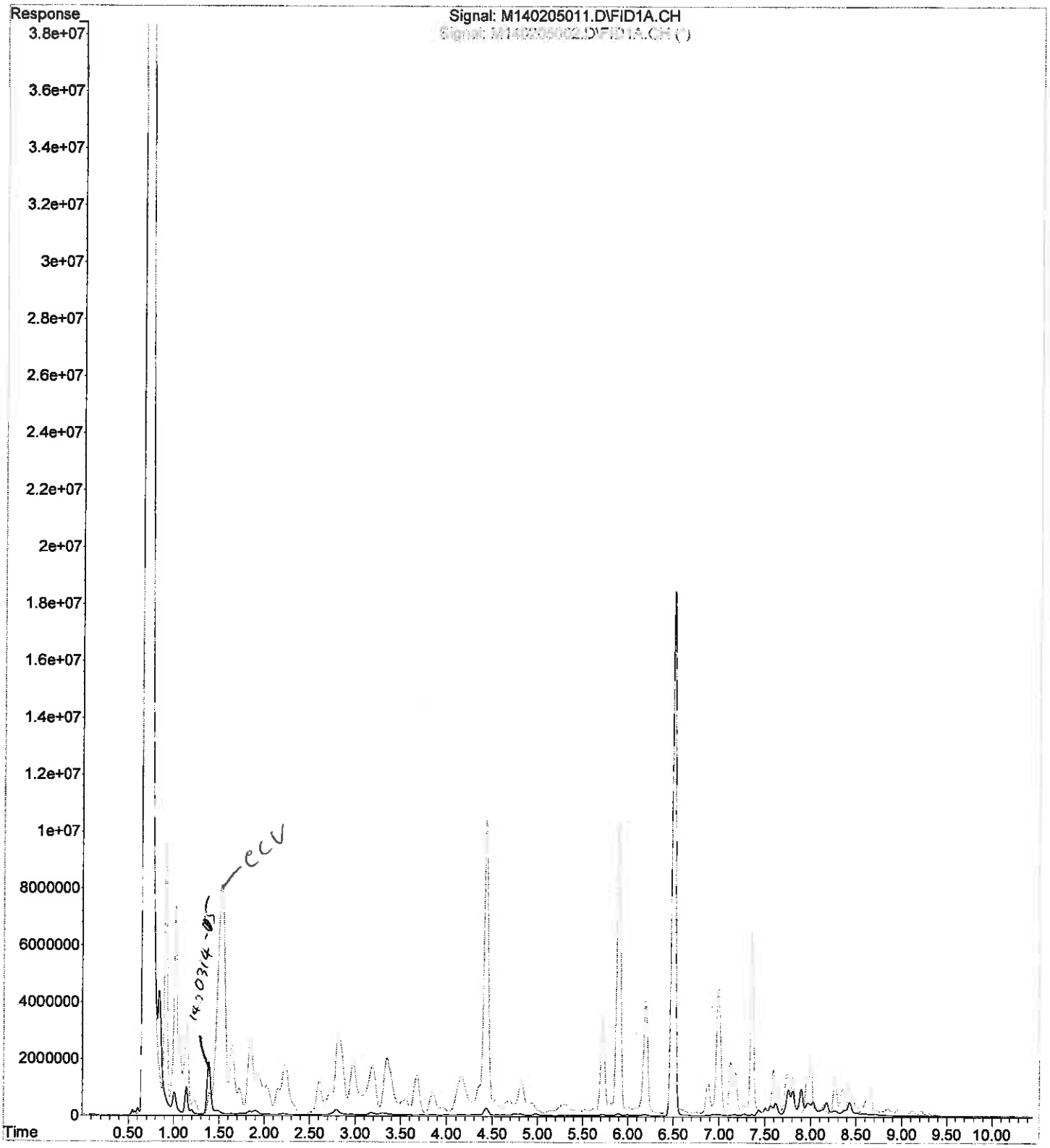
File :D:\2014\140204\E140204024.D
Operator : TP
Acquired : 04 Feb 2014 4:57 pm using AcqMethod 8015_8021.M
Instrument : GC-02
Sample Name: 1400314-03
Misc Info : 2000 B4B0036 50uL-->5g/20mLMEOH
Vial Number: 24



File :D:\2014\140204\E140204025.D
Operator : TP
Acquired : 04 Feb 2014 5:12 pm using AcqMethod 8015_8021.M
Instrument : GC-02
Sample Name: 1400314-04
Misc Info : 2000 B4B0036 50uL-->5g/20mLMEOH
Vial Number: 25

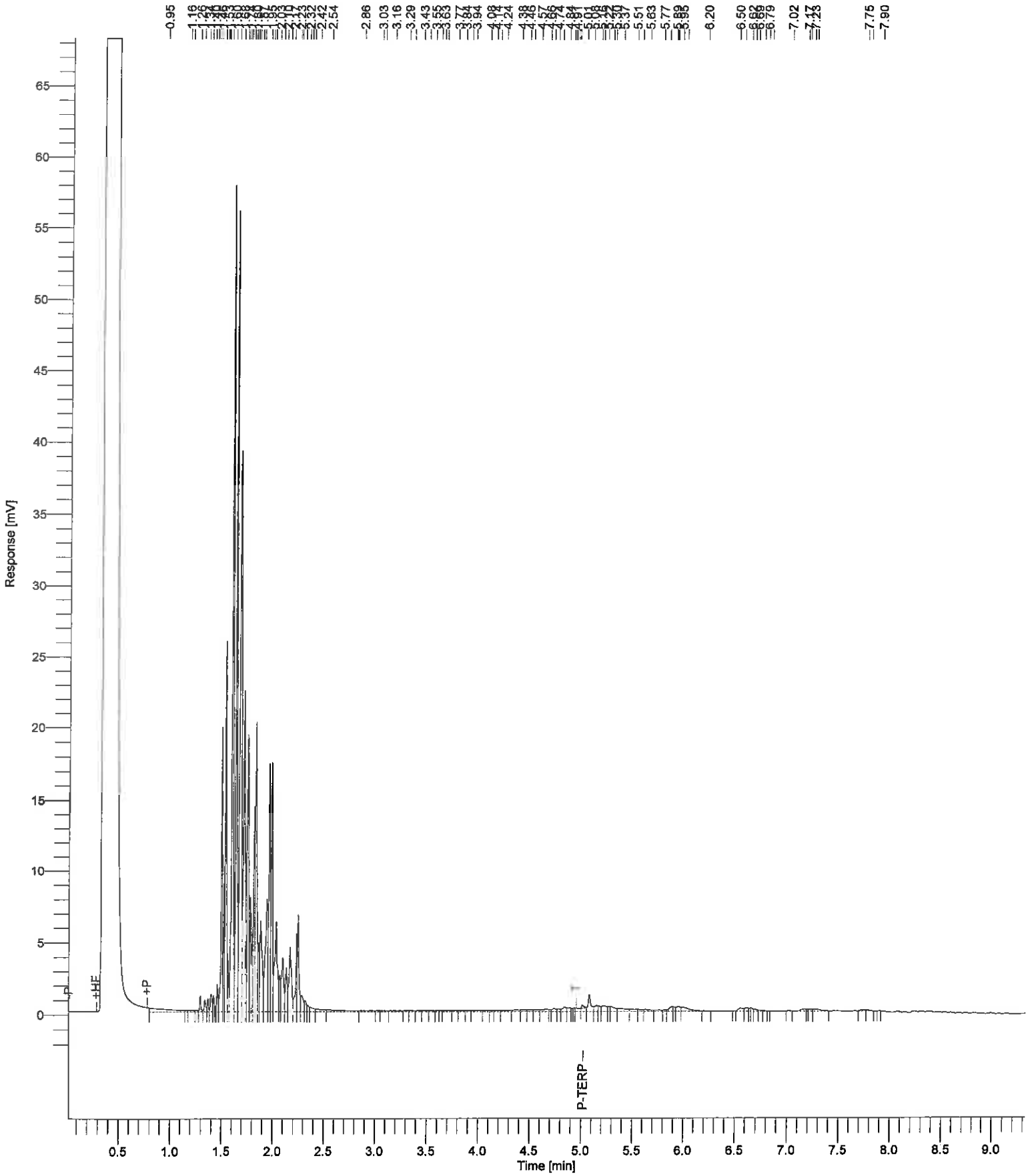


File :D:\DATA\2014\140205\M140205011.D
Operator : vn
Acquired : 05 Feb 2014 5:03 pm using AcqMethod GC19_FAST.M
Instrument : GC-19
Sample Name: 1400314-05
Misc Info : 1 B4B0034 C
Vial Number: 8



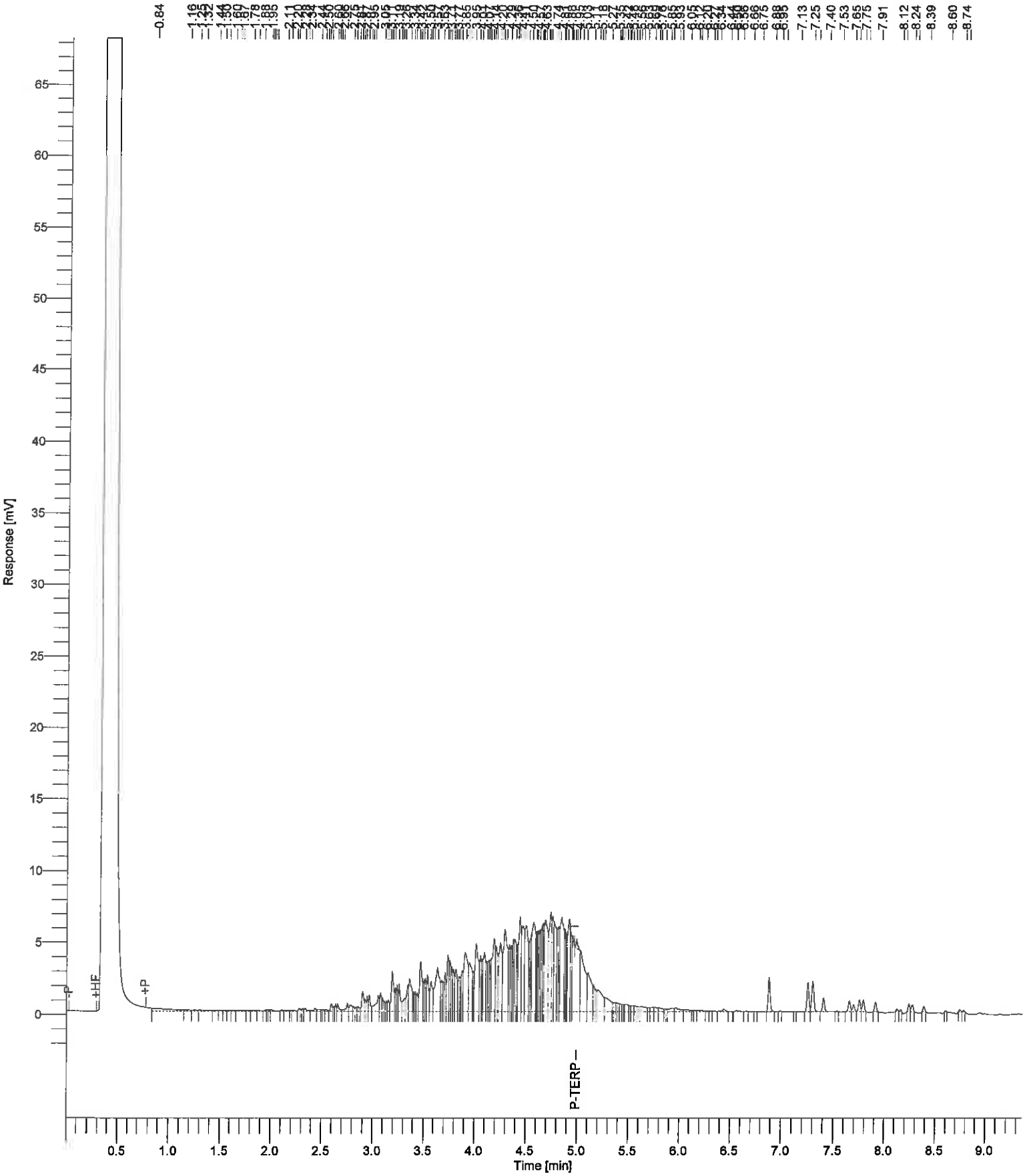
Chromatogram

Sample Name : 1400314-01@100 Sample #: 40 Page 1 of 1
FileName : d:\gc-21\data\o020714_mod\mod_o0207_013.raw
Date : 2/12/2014 10:28:04 AM
Method : Time of Injection: 2/7/2014 11:25:40 AM
Start Time : 0.02 min End Time : 9.32 min Low Point : -2.52 mV High Point : 68.35 mV
Plot Offset: -2.52 mV Plot Scale: 70.9 mV



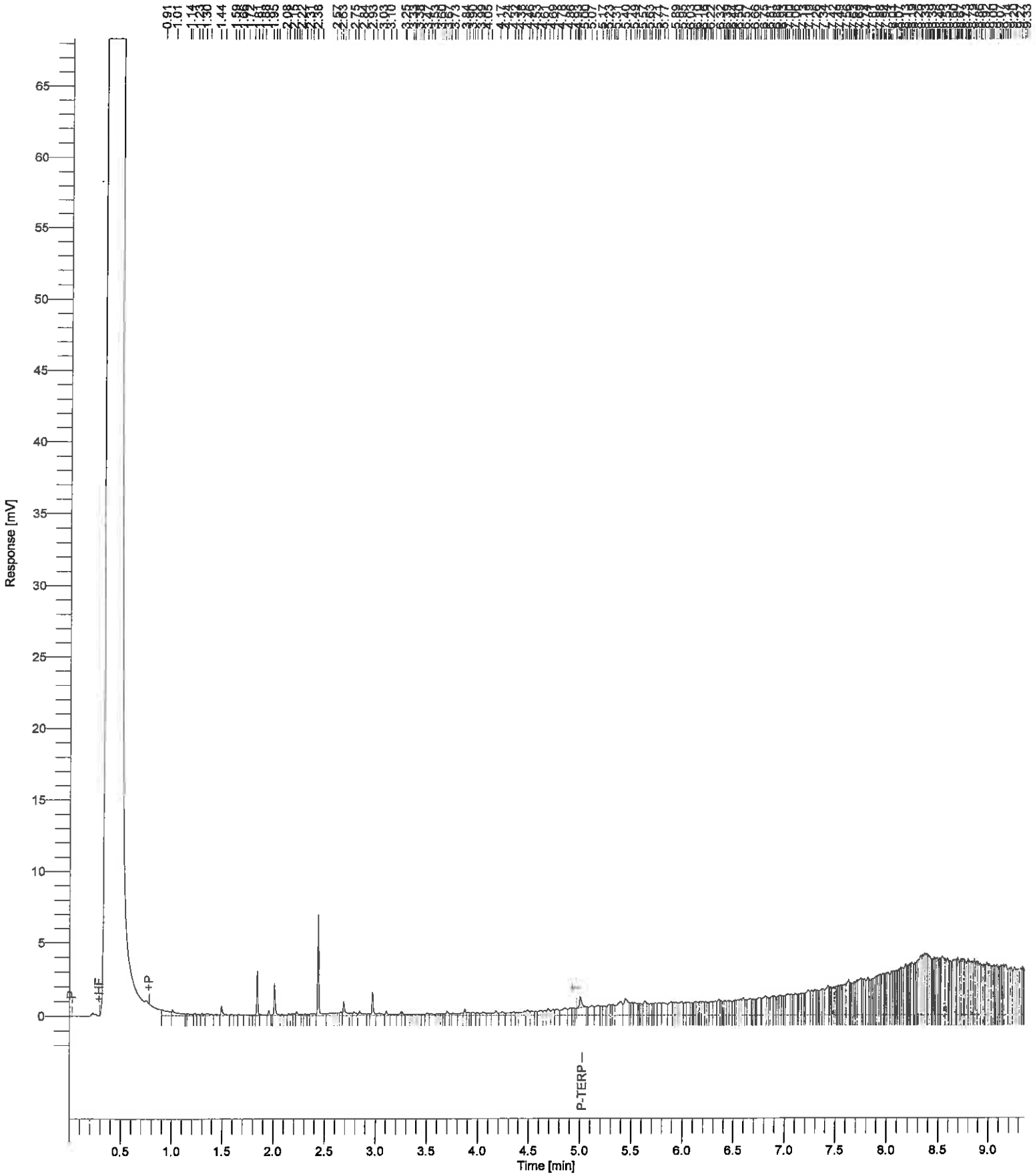
Chromatogram

Sample Name : 1400314-02@100 Sample #: 41 Page 1 of 1
FileName : d:\gc-21\data\o020714_mod\mod_o0207_014.raw
Date : 2/12/2014 10:28:19 AM
Method :
Time of Injection: 2/7/2014 11:42:26 AM
Start Time : 0.00 min End Time : 9.36 min Low Point : -2.52 mV High Point : 68.35 mV
Plot Offset: -2.52 mV Plot Scale: 70.9 mV



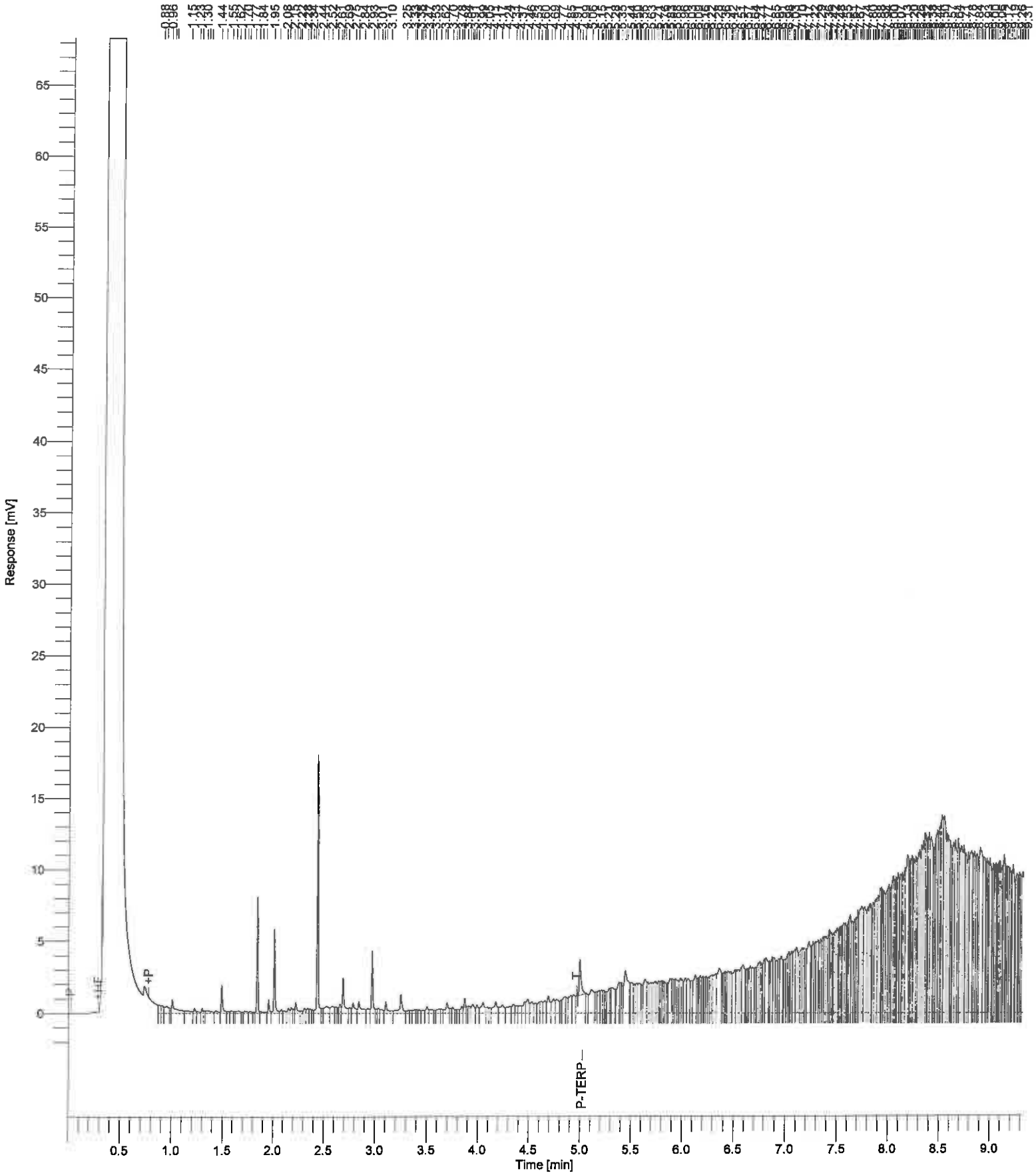
Chromatogram

Sample Name : 1400314-03@50 Sample #: 42 Page 1 of 1
FileName : d:\gc-21\data\o020714_mod\mod_o0207_016.raw
Date : 2/12/2014 10:28:30 AM
Method : Time of Injection: 2/7/2014 12:16:08 PM
Start Time : 0.00 min End Time : 9.35 min Low Point : -2.52 mV High Point : 68.35 mV
Plot Offset: -2.52 mV Plot Scale: 70.9 mV



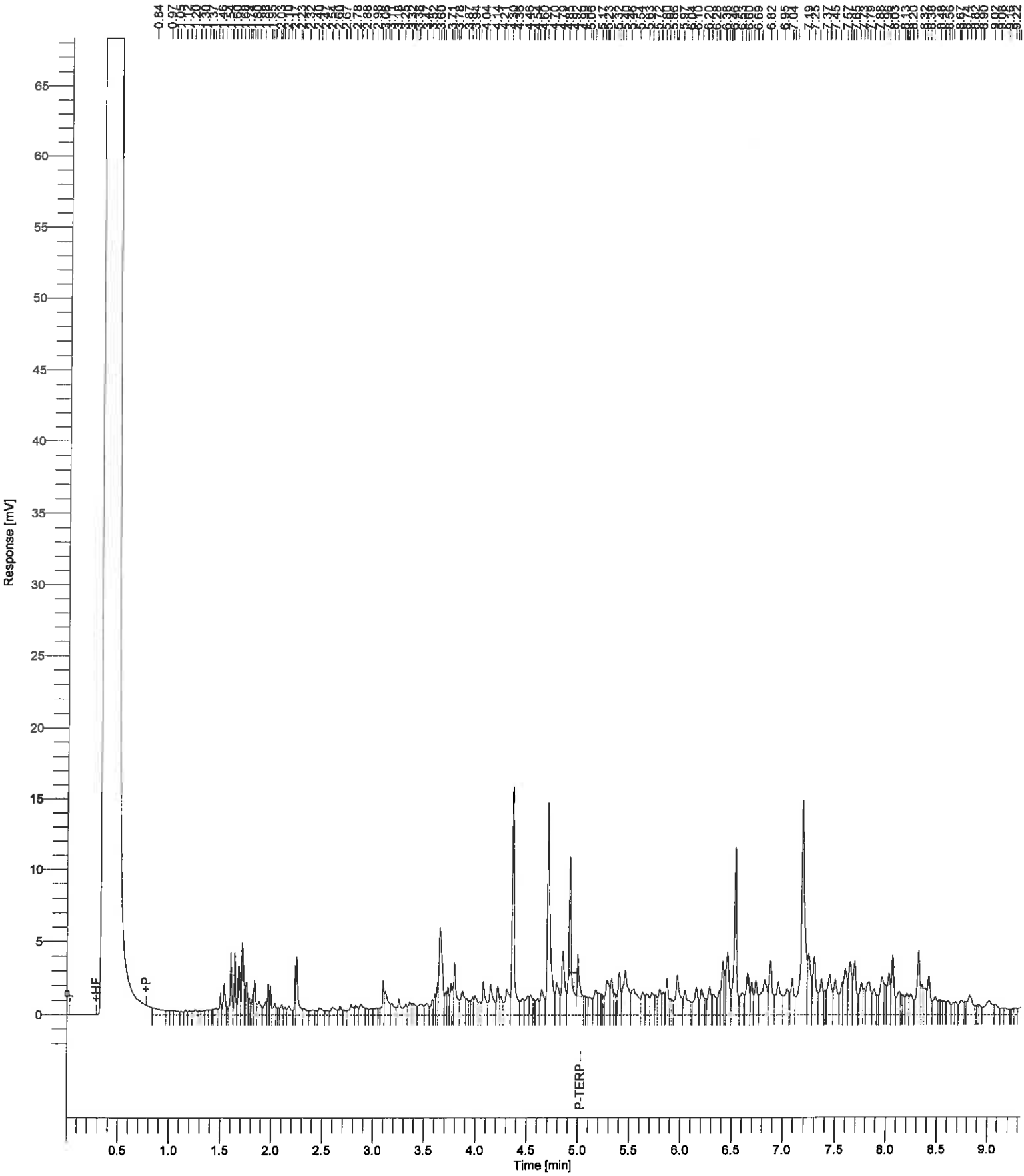
Chromatogram

Sample Name : 1400314-04@50 Sample #: 43 Page 1 of 1
FileName : d:\gc-21\data\o020714_mod\mod_o0207_017.raw
Date : 2/12/2014 10:28:39 AM
Method : Time of Injection: 2/7/2014 12:32:52 PM
Start Time : 0.00 min End Time : 9.32 min Low Point : -2.52 mV High Point : 68.35 mV
Plot Offset: -2.52 mV Plot Scale: 70.9 mV



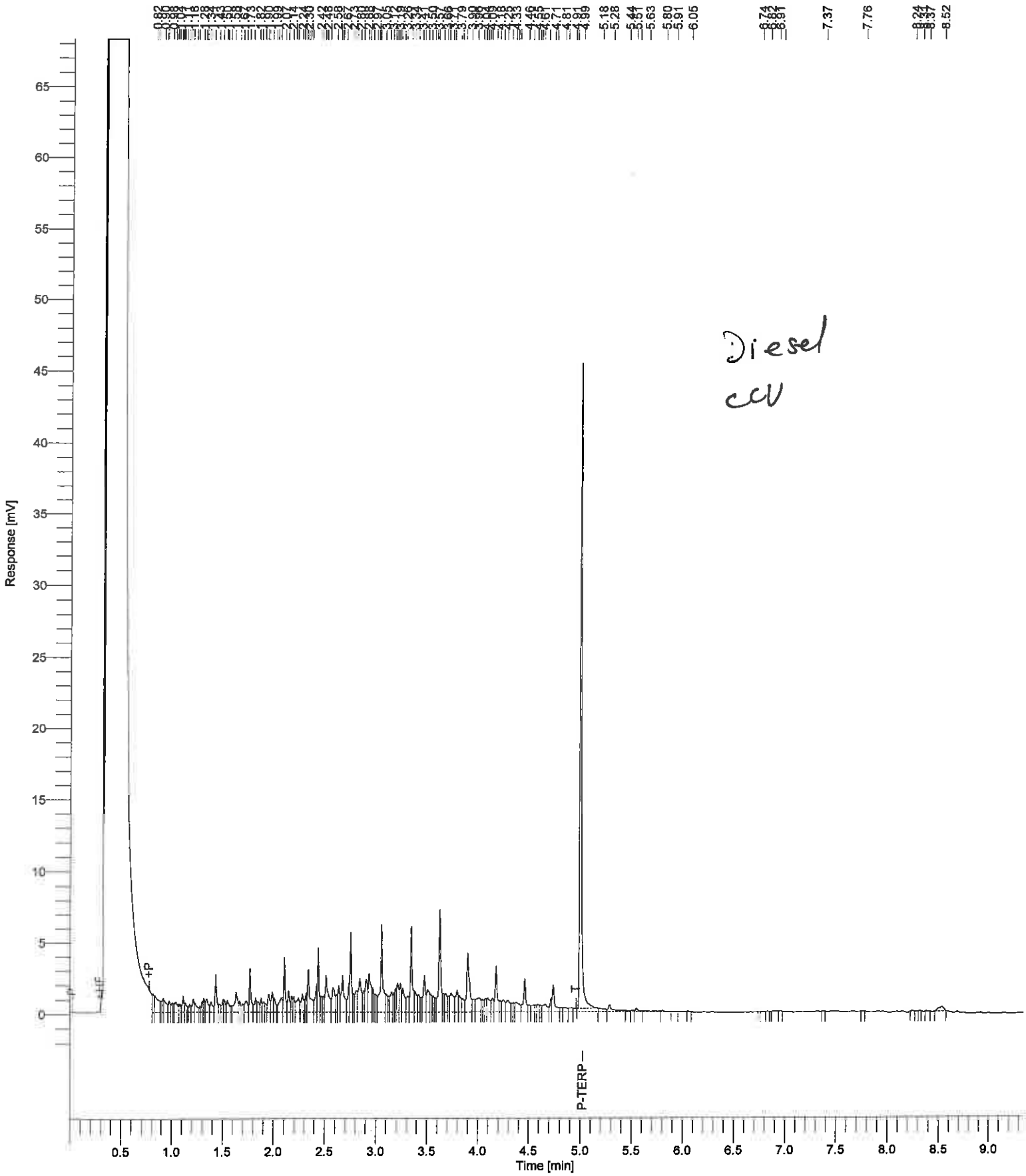
Chromatogram

Sample Name : 1400314-05@10 Sample #: 19 Page 1 of 1
FileName : d:\gc-21\data\o020714_mod\mod_o0207_015.raw
Date : 2/12/2014 10:29:49 AM
Method : Time of Injection: 2/7/2014 11:59:15 AM
Start Time : 0.00 min End Time : 9.33 min Low Point : -2.52 mV High Point : 68.35 mV
Plot Offset: -2.52 mV Plot Scale: 70.9 mV



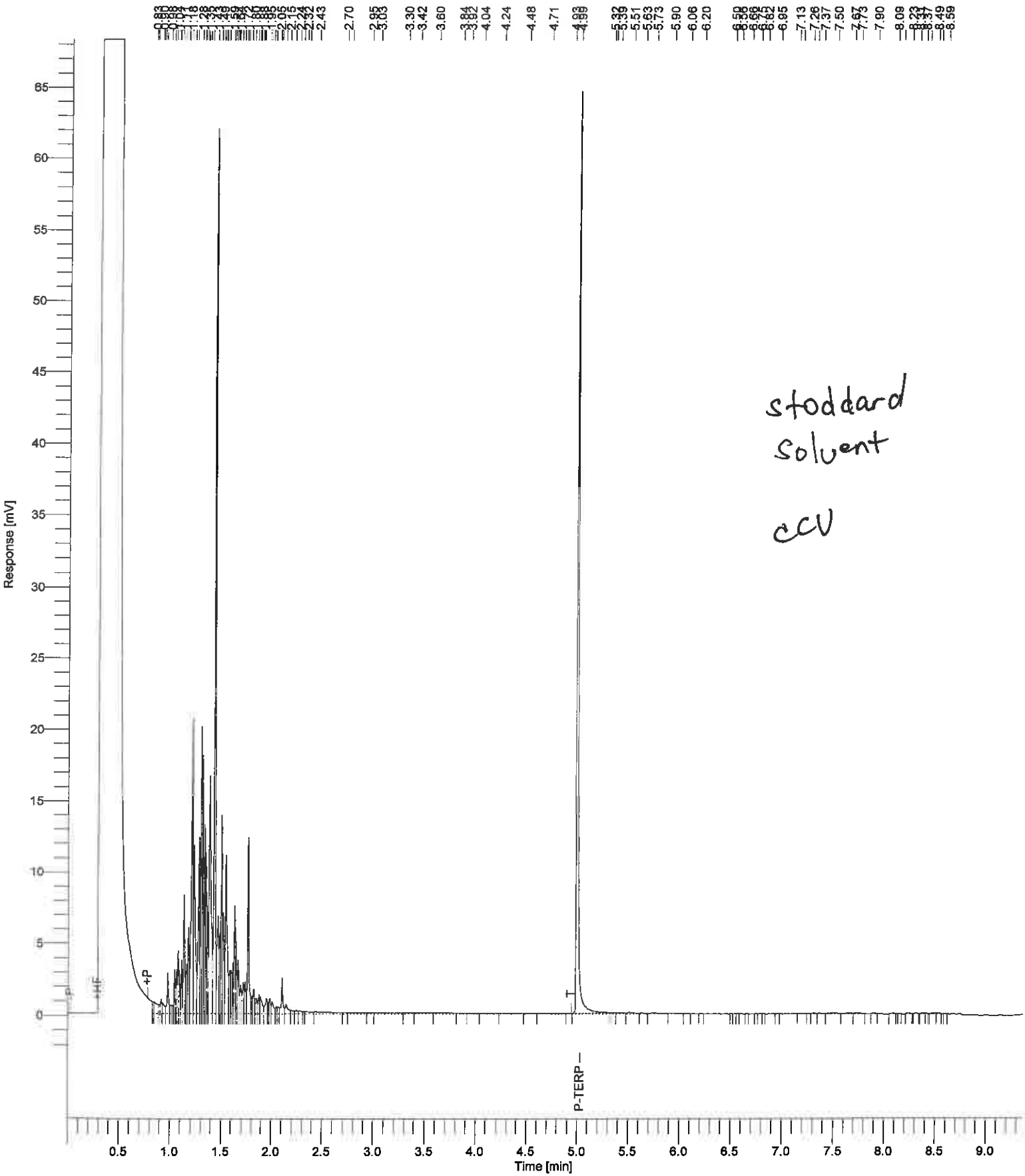
Chromatogram

Sample Name : S4B0040-CCV8 Sample #: 98
FileName : d:\gc-21\data\o020714_mod\mod_o0207_003.raw
Date : 2/12/2014 10:29:21 AM
Method : Time of Injection: 2/7/2014 8:38:49 AM
Start Time : 0.00 min End Time : 9.33 min Low Point : -2.52 mV High Point : 68.35 mV
Plot Offset: -2.52 mV Plot Scale: 70.9 mV



Chromatogram

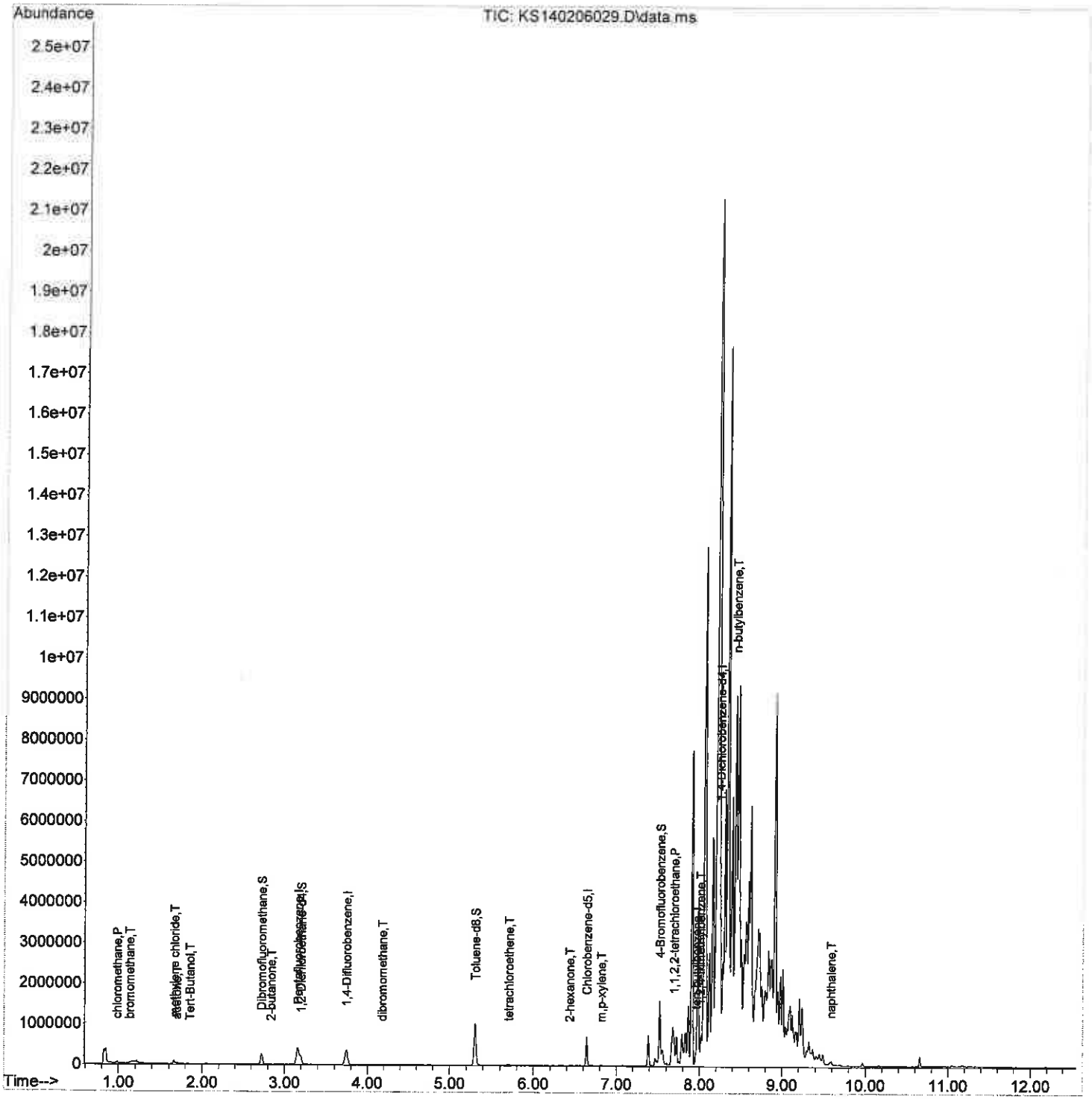
Sample Name : S4B0040-CCVA Sample #: 6 Page 1 of 1
FileName : d:\gc-21\data\o020714_mod\mod_o0207_005.raw
Date : 2/12/2014 10:29:39 AM
Method : Time of Injection: 2/7/2014 9:12:02 AM
Start Time : 0.00 min End Time : 9.36 min Low Point : -2.52 mV High Point : 68.35 mV
Plot Offset: -2.52 mV Plot Scale: 70.9 mV



Quantitation Report (Not Reviewed)

Data Path : D:\msddata\data\K140206\
Data File : KS140206029.D
Acq On : 6 Feb 2014 5:26 pm
Operator : TP
Sample : 1400314-01
Misc : 1.0E3 B4B0066 100UL/5ML of 20X
ALS Vial : 26 Sample Multiplier: 1

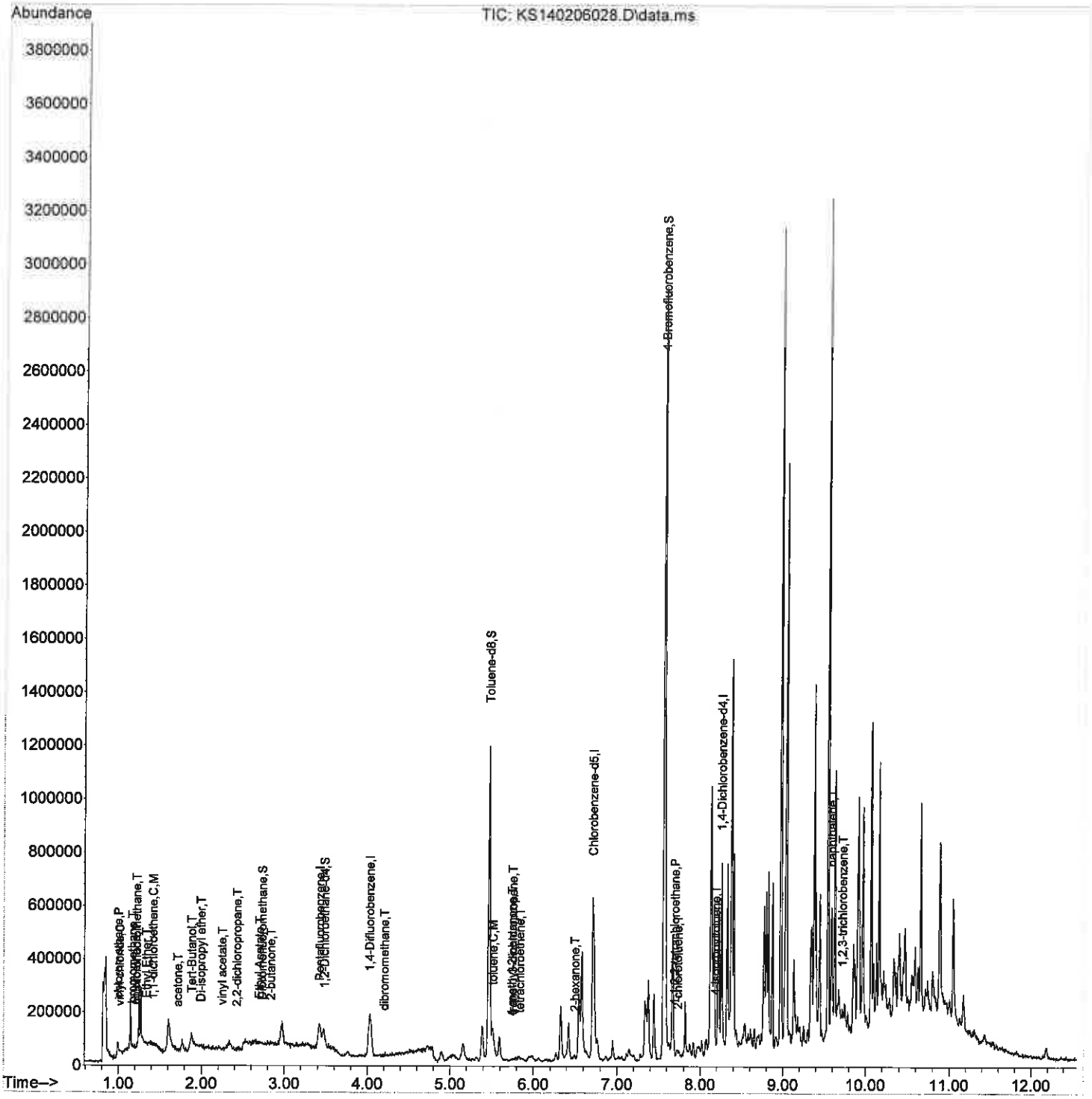
Quant Time: Feb 07 09:27:28 2014
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory
QLast Update : Tue Jan 21 15:27:28 2014
Response via : Initial Calibration
InstName : MS-04



Quantitation Report (QT Reviewed)

Data Path : D:\msddata\data\K140206\
Data File : KS140206028.D
Acq On : 6 Feb 2014 5:09 pm
Operator : TP
Sample : 1400314-02
Misc : 50 B4B0066 100ul/5ml
ALS Vial : 25 Sample Multiplier: 1

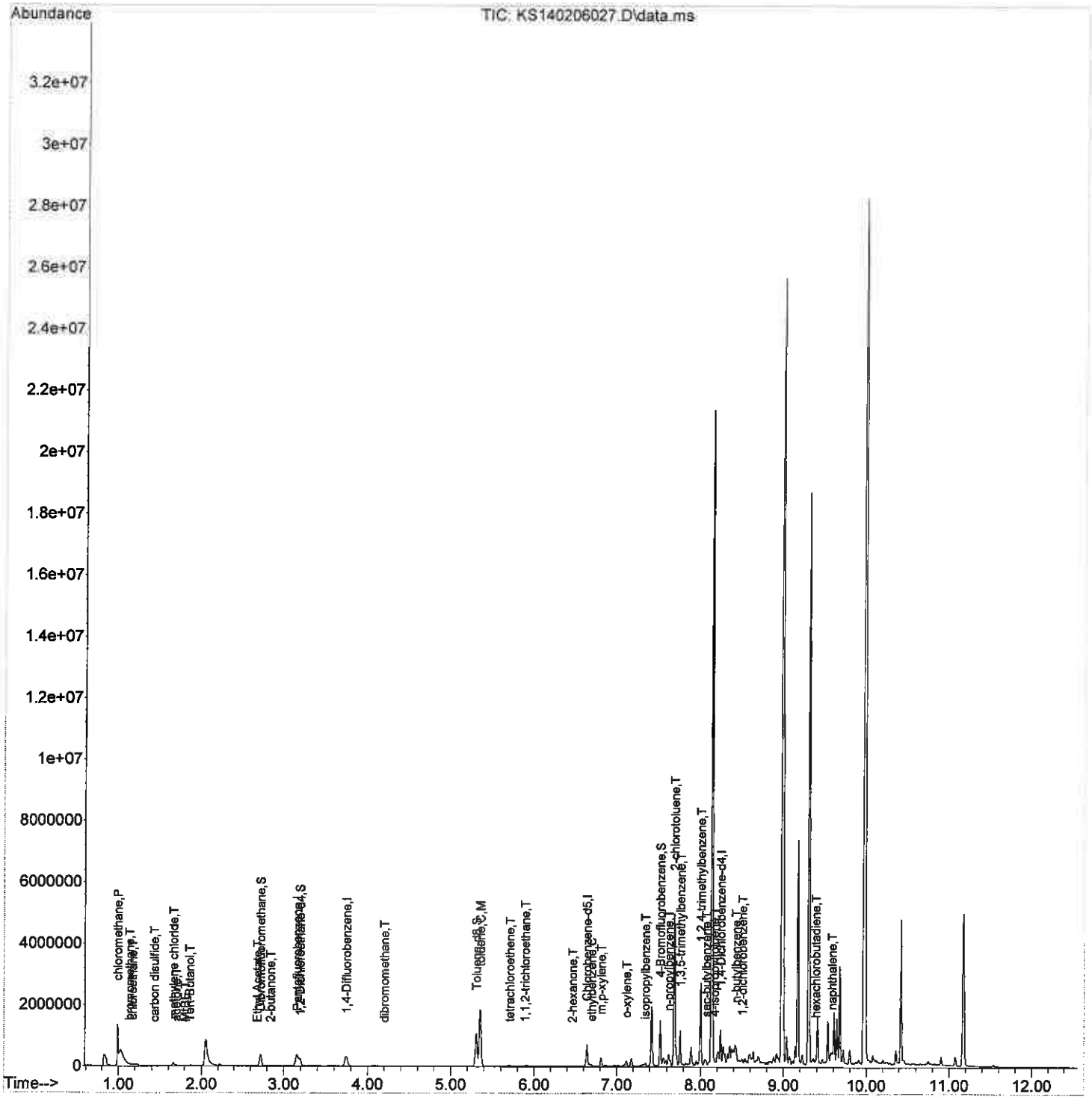
Quant Time: Feb 07 15:48:28 2014
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory
QLast Update : Tue Jan 21 15:27:28 2014
Response via : Initial Calibration
InstName : MS-04



Quantitation Report (Not Reviewed)

Data Path : D:\msddata\data\K140206\
Data File : KS140206027.D
Acq On : 6 Feb 2014 4:51 pm
Operator : TP
Sample : 1400314-03
Misc : 50 B4B0066 100ul/5ml
ALS Vial : 24 Sample Multiplier: 1

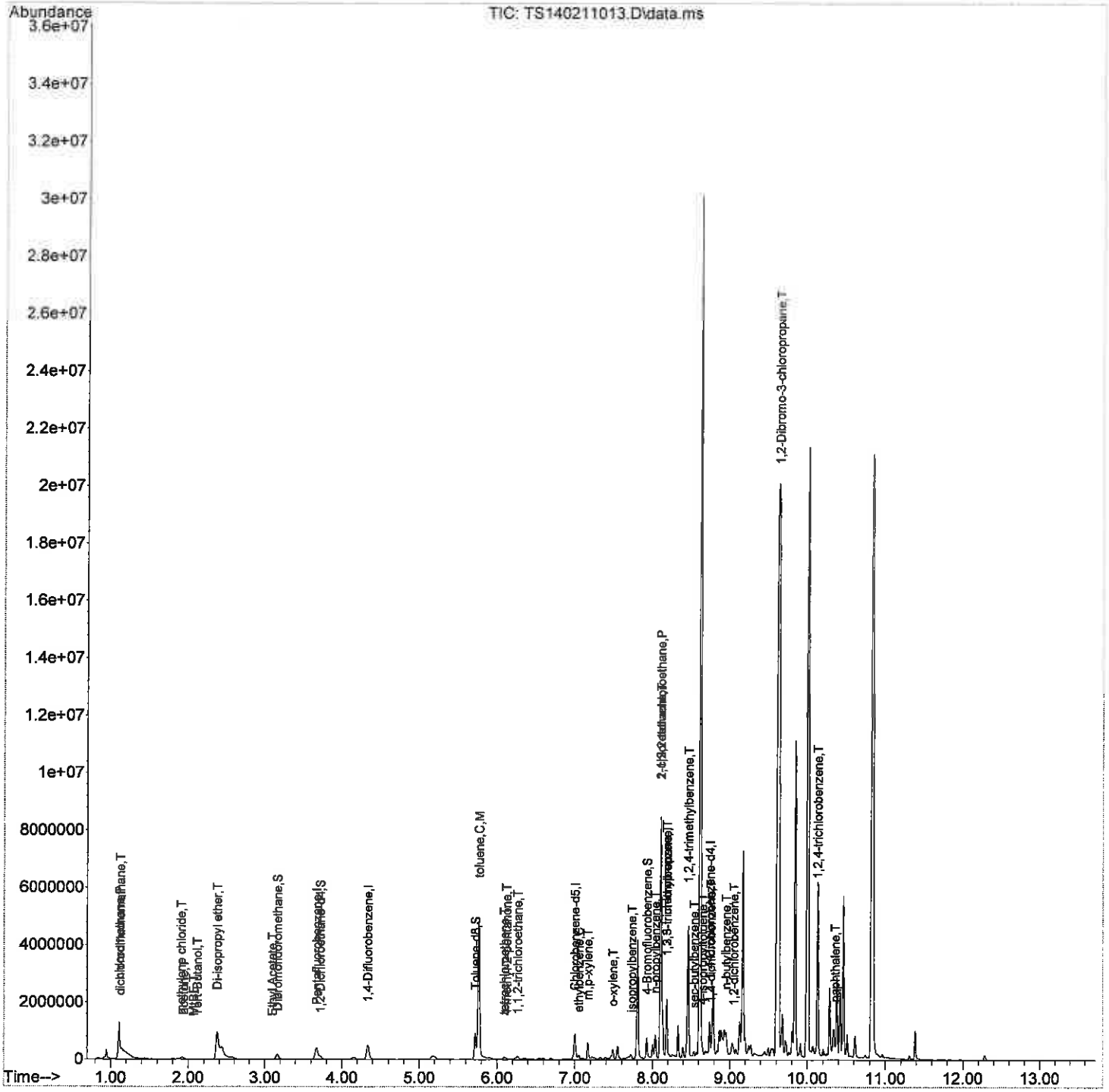
Quant Time: Feb 07 09:26:19 2014
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory
QLast Update : Tue Jan 21 15:27:28 2014
Response via : Initial Calibration
InstName : MS-04



Quantitation Report (Not Reviewed)

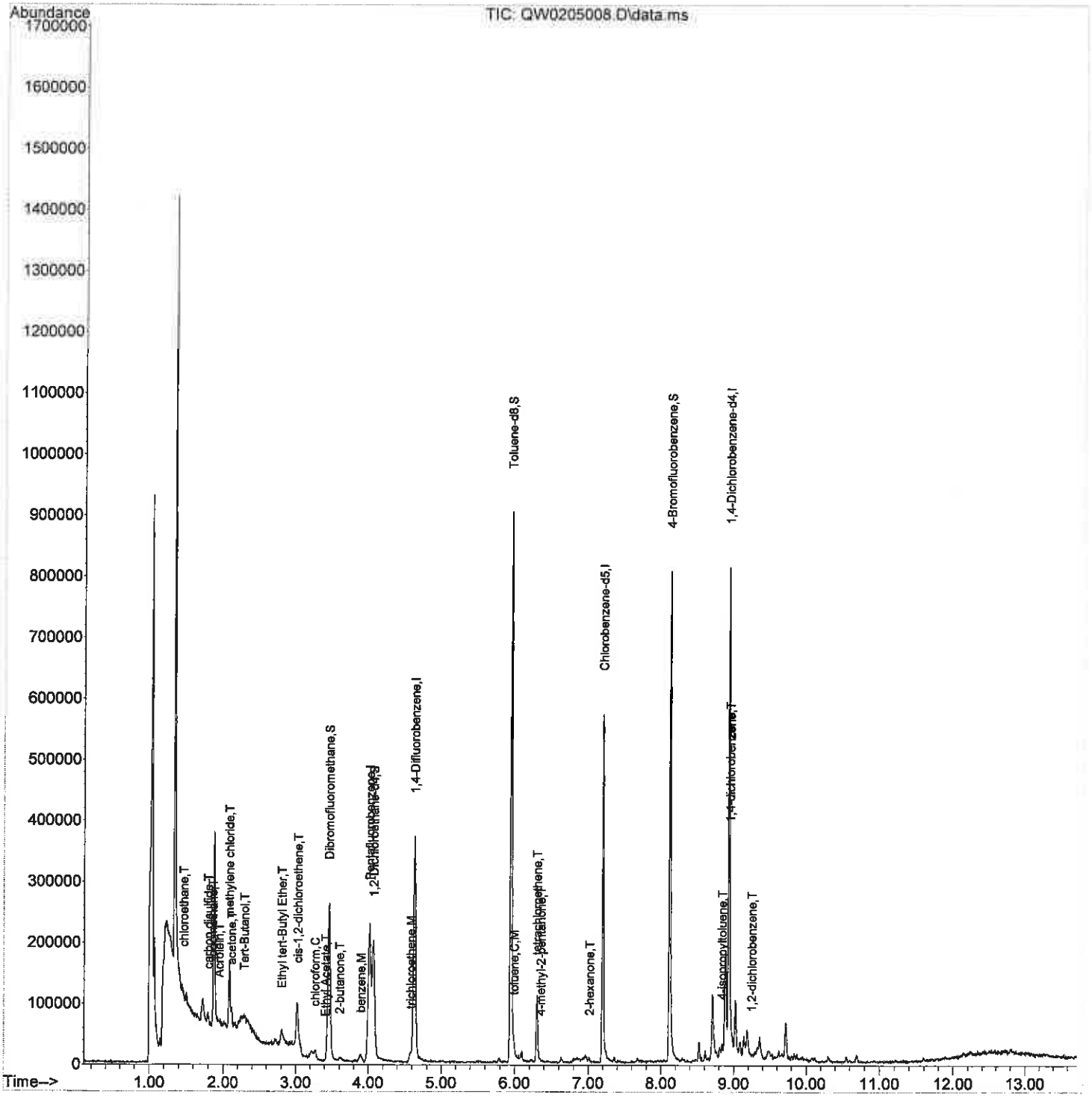
Data Path : D:\DATA\140211\
Data File : TS140211013.D
Acq On : 11 Feb 2014 8:02 pm
Operator : TP
Sample : 1400314-04
Misc : 50 B4B0138 5g/5mL MeOH -> 100uL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 12 07:32:31 2014
Quant Method : C:\msdchem\1\METHODS\TS140210.M
Quant Title : VOC 624/8260B Advanced Technology Laboratory
QLast Update : Tue Feb 11 18:06:03 2014
Response via : Initial Calibration
InstName : MS-05
DataAcq Meth:8260.M



Data Path : D:\DATA\140205B\
Data File : QW0205008.D
Acq On : 5 Feb 2014 7:17 pm
Operator : DP
InstName : MS-02
Sample : 1400314-05
Misc : 1 B4B0052 D
ALS Vial : 4 Sample Multiplier: 1

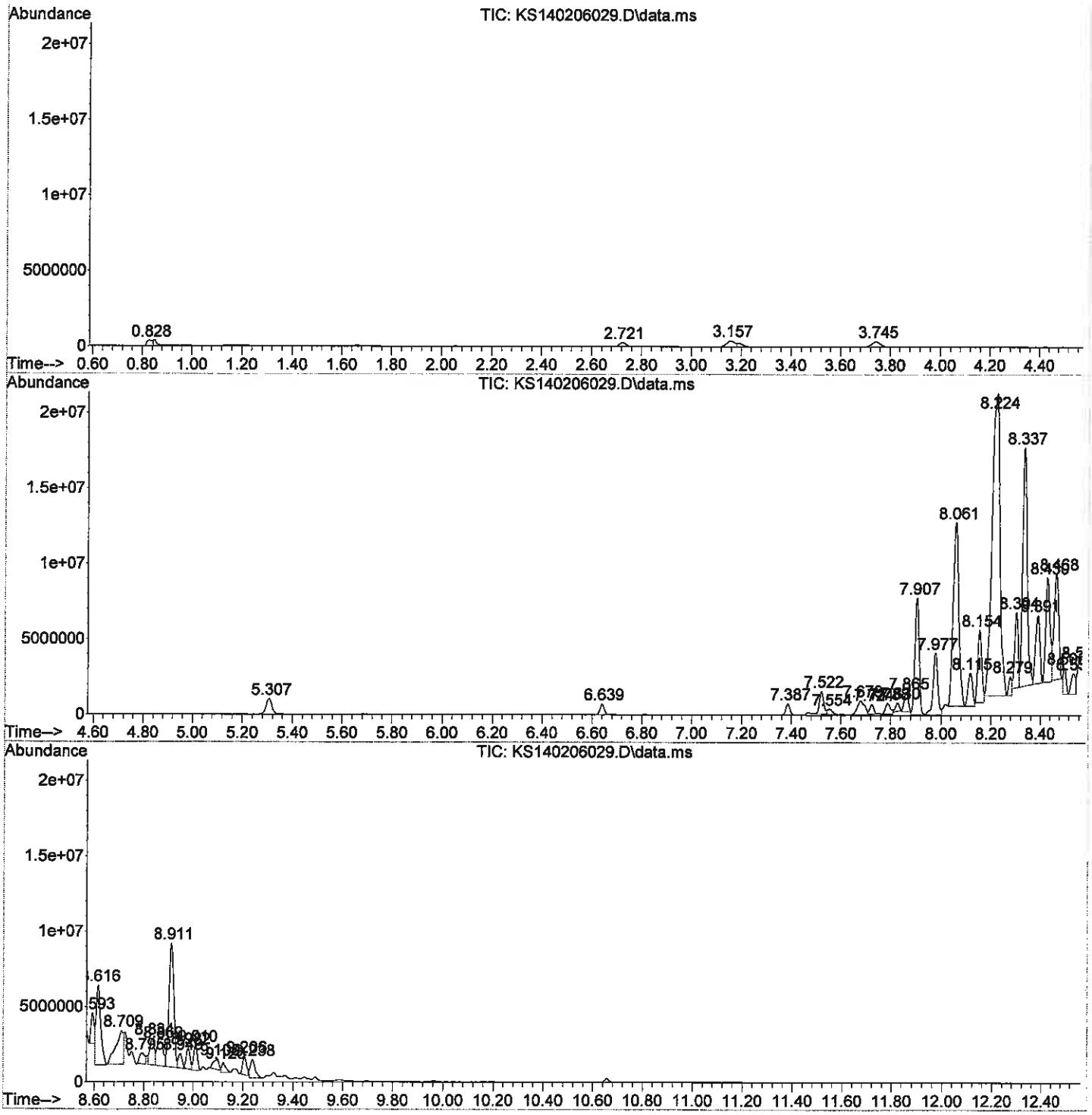
Quant Time: Feb 07 08:02:46 2014
Quant Method : C:\MSDChem\1\METHODS\QW131106.M
Quant Title : VOC 624/8260B Advanced Technology Laboratory
QLast Update : Fri Jan 31 07:17:57 2014
Response via : Initial Calibration



Data Path : D:\msddata\data\K140206\
Data File : KS140206029.D
Acq On : 6 Feb 2014 5:26 pm
Operator : TP
Sample : 1400314-01
Misc : 1.0E3 B4B0066 100UL/5ML of 20X
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : D:\msddata\data\K140206\
Data File : KS140206029.D
Acq On : 6 Feb 2014 5:26 pm
Operator : TP
Sample : 1400314-01
Misc : 1.0E3 B4B0066 100UL/5ML of 20X
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

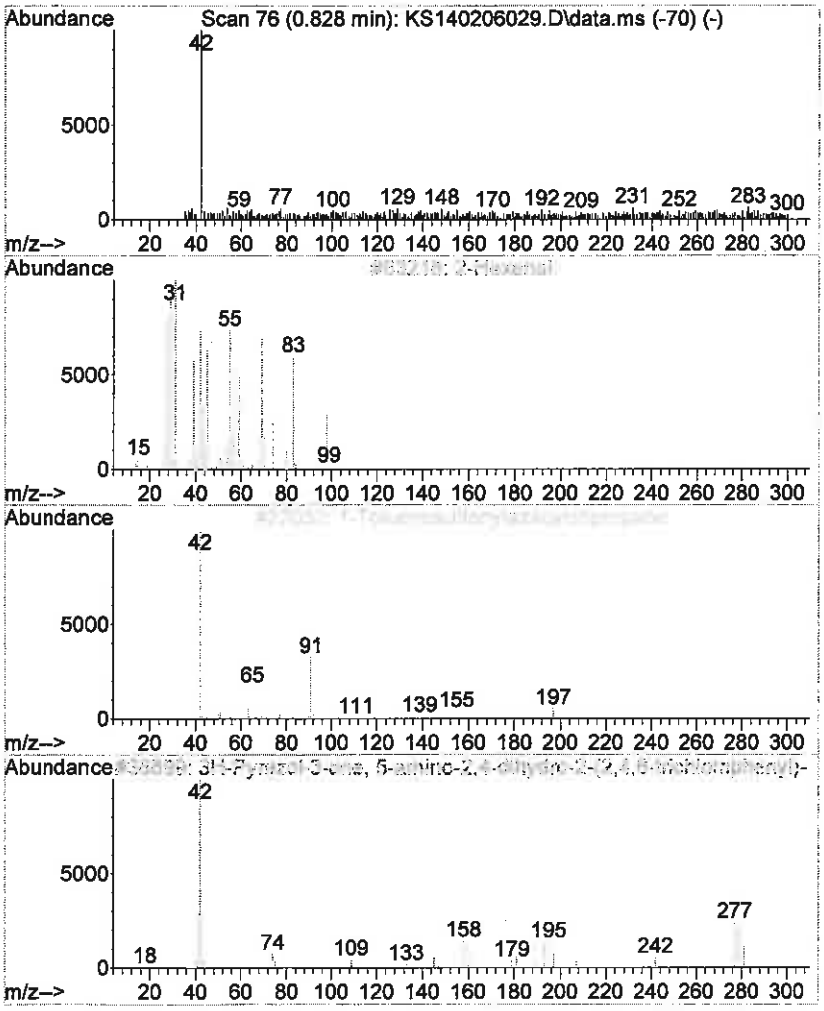
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

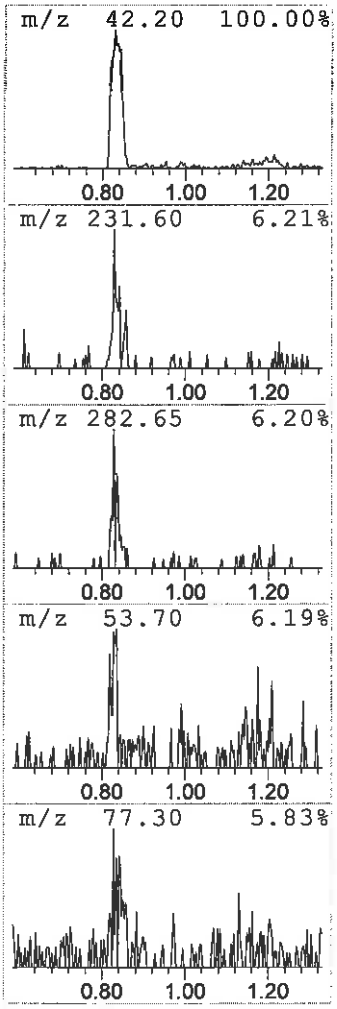
****

Peak Number 1 2-Hexenal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
0.828	30.75 ppb	565918	Pentafluorobenzene	3.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexenal	98	C6H10O	000505-57-7	49
2	1-Toluenesulfonylazacyclopropane	197	C9H11NO2S	000000-00-0	49
3	3H-Pyrazol-3-one, 5-amino-2,4-di...	277	C9H6Cl3N3O	027241-31-2	47
4	3-Cyano-2,5-dimethylpyrazine	133	C7H7N3	000000-00-0	38
5	N-Benzenesulfonylpirrolidin-3-one	225	C10H11NO3S	083143-34-4	28





Data Path : D:\msddata\data\K140206\
Data File : KS140206029.D
Acq On : 6 Feb 2014 5:26 pm
Operator : TP
Sample : 1400314-01
Misc : 1.0E3 B4B0066 100UL/5ML of 20X
ALS Vial : 26 Sample Multiplier: 1

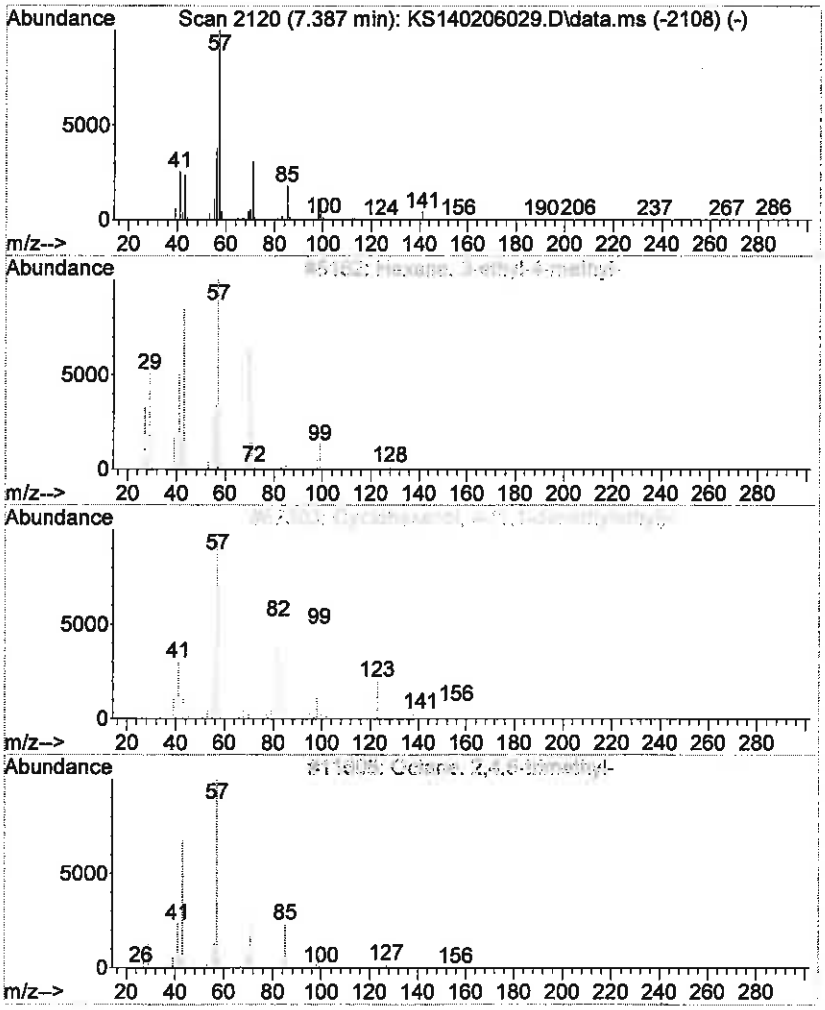
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

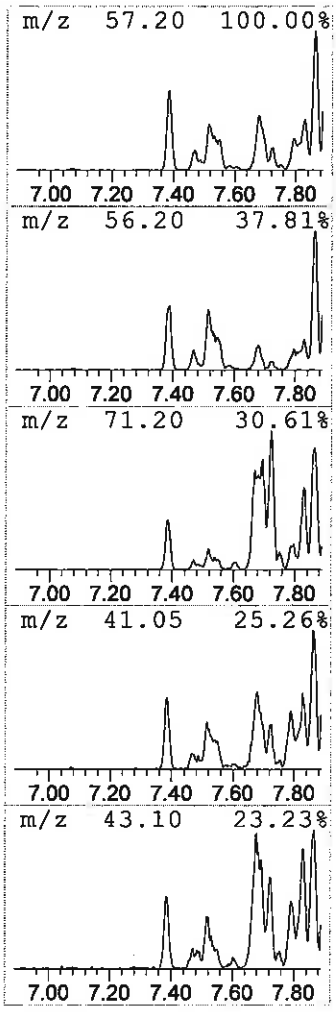
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Hexane, 3-ethyl-4-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.387	52.69 ppb	861610	Chlorobenzene-d5	6.642

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	53
2	Cyclohexanol, 4-(1,1-dimethyleth...	156	C10H20O	000098-52-2	49
3	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	43
4	Undecane, 3-methyl-	170	C12H26	001002-43-3	43
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	43





Library Search Compound Report

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Acq On : 6 Feb 2014 5:26 pm
Operator : TP
Sample : 1400314-01
Misc : 1.0E3 B4B0066 100UL/5ML of 20X
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

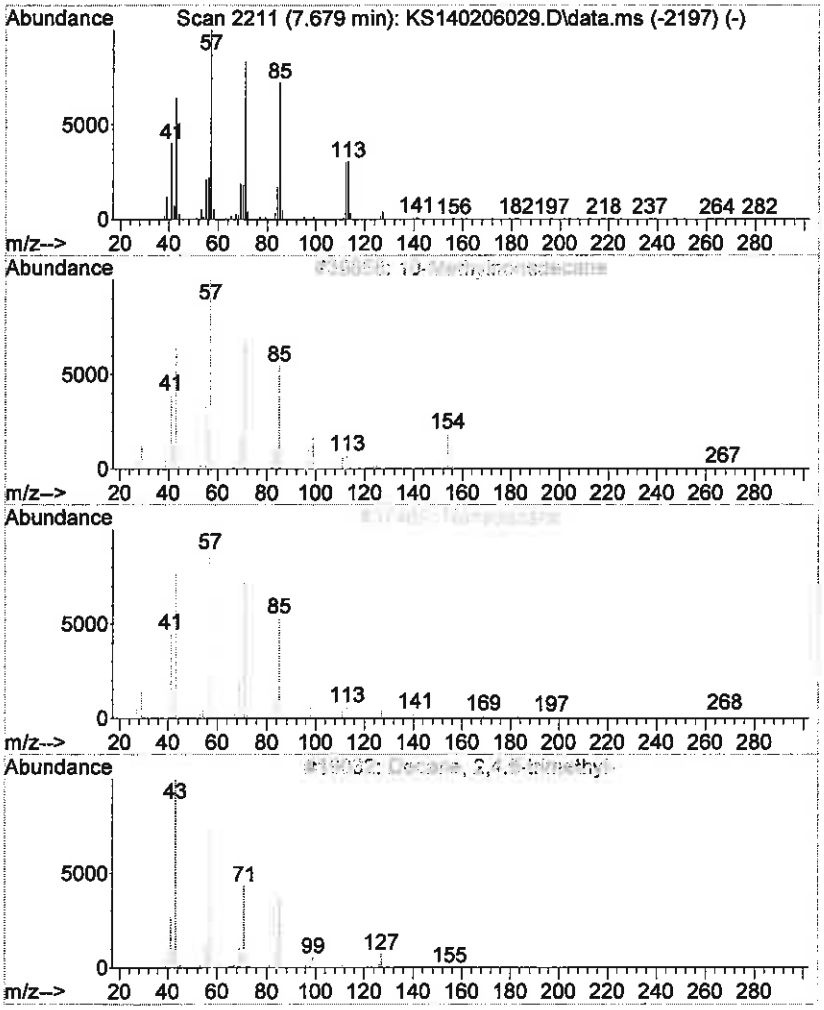
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

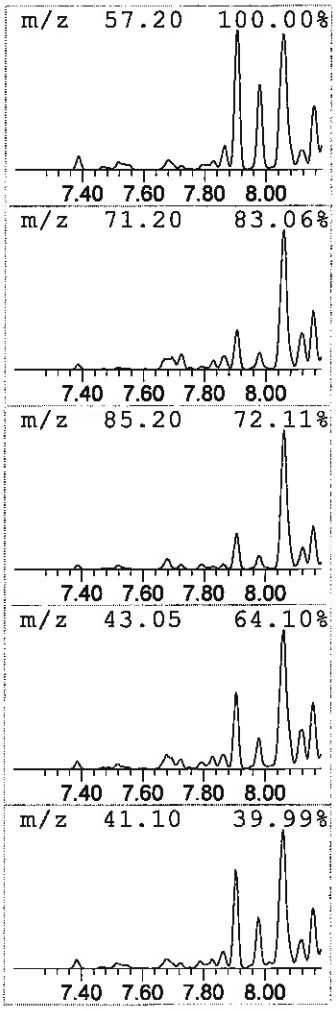
****

Peak Number 3 10-Methylnonadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.679	2.21 ppb	1932540	1,4-Dichlorobenzene-d4	8.240

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Methylnonadecane	282	C20H42	000000-00-0	64
2	Nonadecane	268	C19H40	000629-92-5	64
3	Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	59
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	59
5	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	59





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ALS Vial : 26 Sample Multiplier: 1

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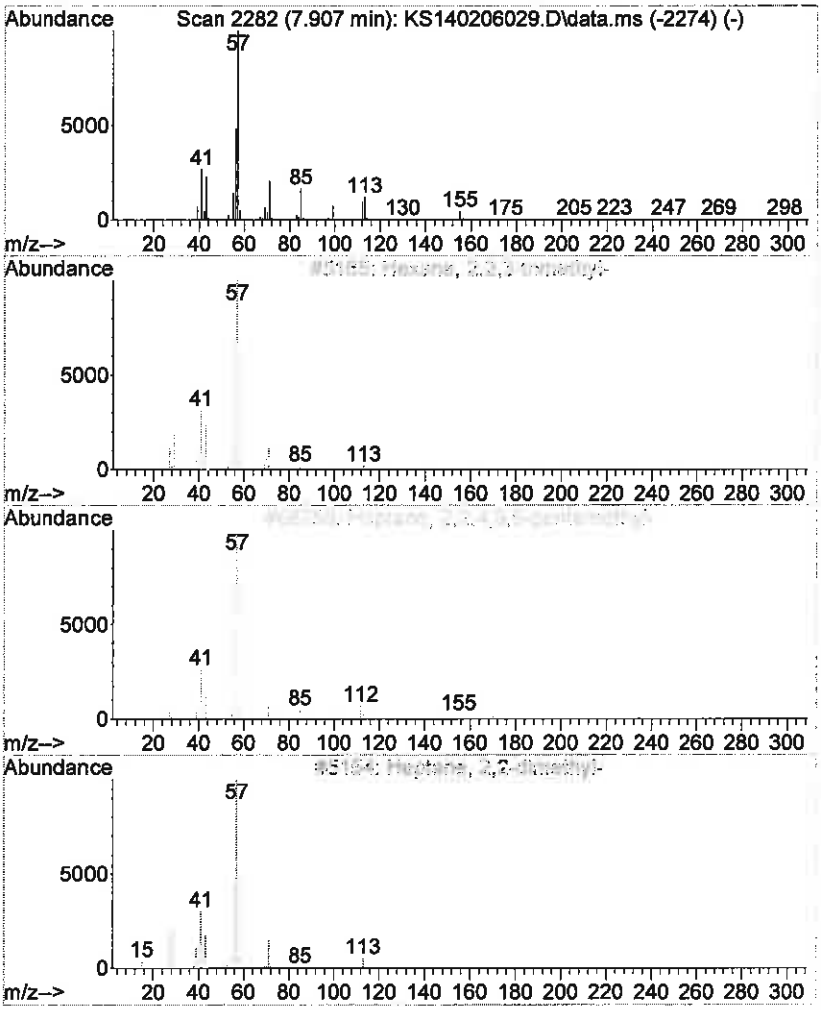
Quant Title : VOC 8260B Advanced Technology Laboratory

TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Hexane, 2,2,3-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.907	10.28 ppb	9003090	1,4-Dichlorobenzene-d4	8.240

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	59
2	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	53
3	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	53
4	2,2,7,7-Tetramethyloctane	170	C12H26	001071-31-4	53
5	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	53



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Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Octane, 2,5,6-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.977	5.85 ppb	5127880	1,4-Dichlorobenzene-d4	8.240

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,5,6-trimethyl-	156	C11H24	062016-14-2	72
2	Decane, 2,2,5-trimethyl-	184	C13H28	062237-96-1	64
3	2,2,7,7-Tetramethyloctane	170	C12H26	001071-31-4	64
4	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	64
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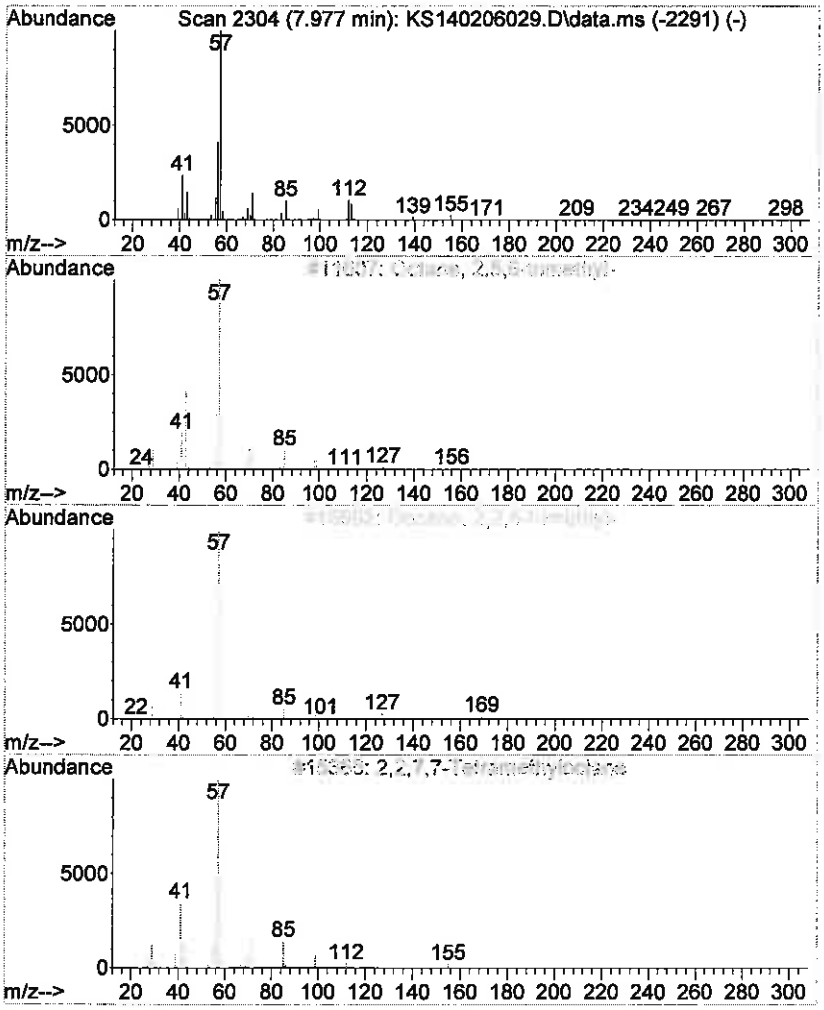

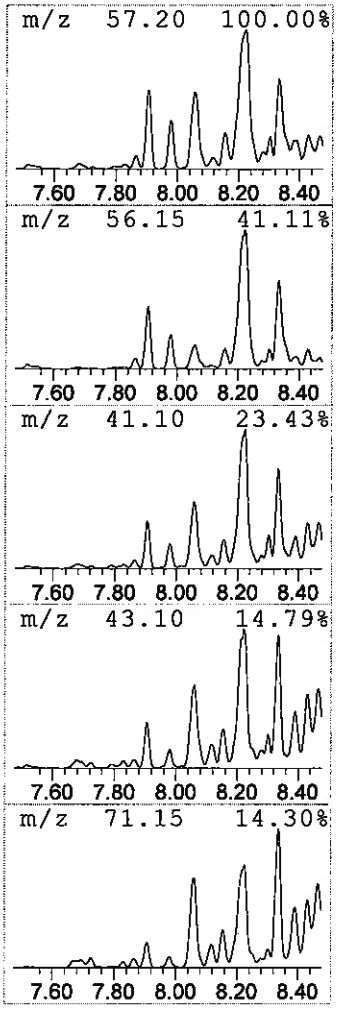

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Misc : 1.0E3 B4B0066 100UL/5ML of 20X
ALS Vial : 26 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

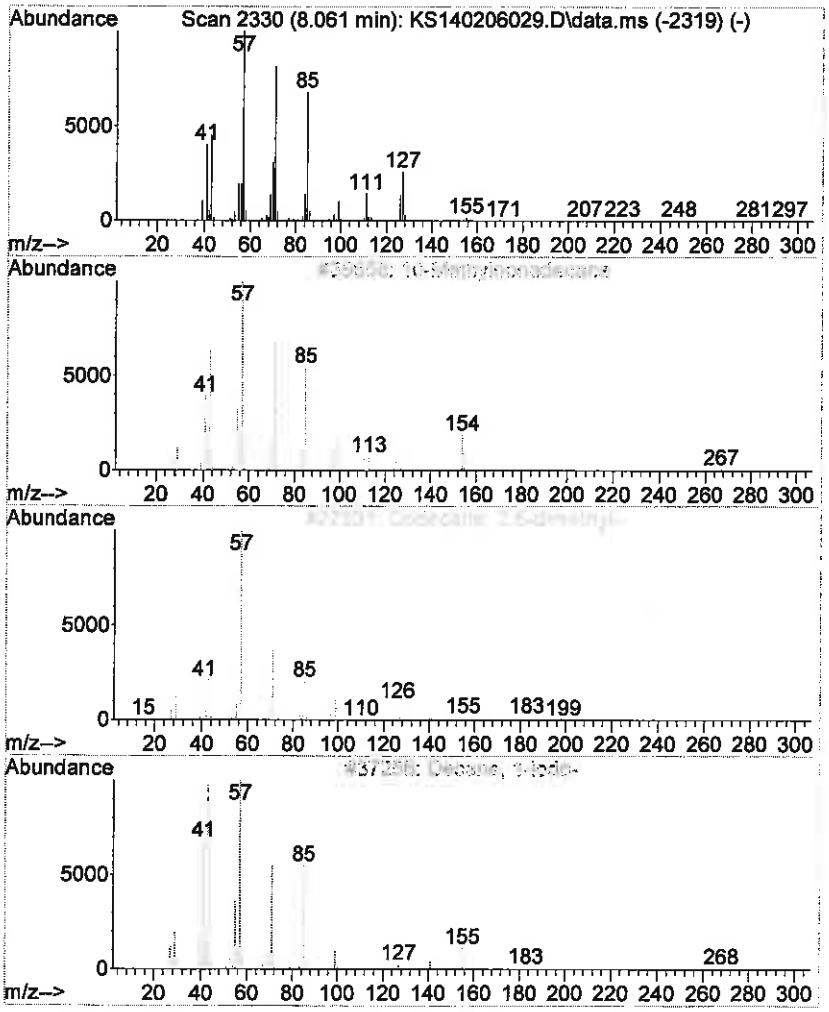
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 6 10-Methylnonadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.061	21.64 ppb	18958000	1,4-Dichlorobenzene-d4	8.240

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Methylnonadecane	282	C20H42	000000-00-0	64
2	Dodecane, 2,5-dimethyl-	198	C14H30	056292-65-0	64
3	Decane, 1-iodo-	268	C10H21I	002050-77-3	53
4	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	53
5	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	52



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ALS Vial : 26 Sample Multiplier: 1

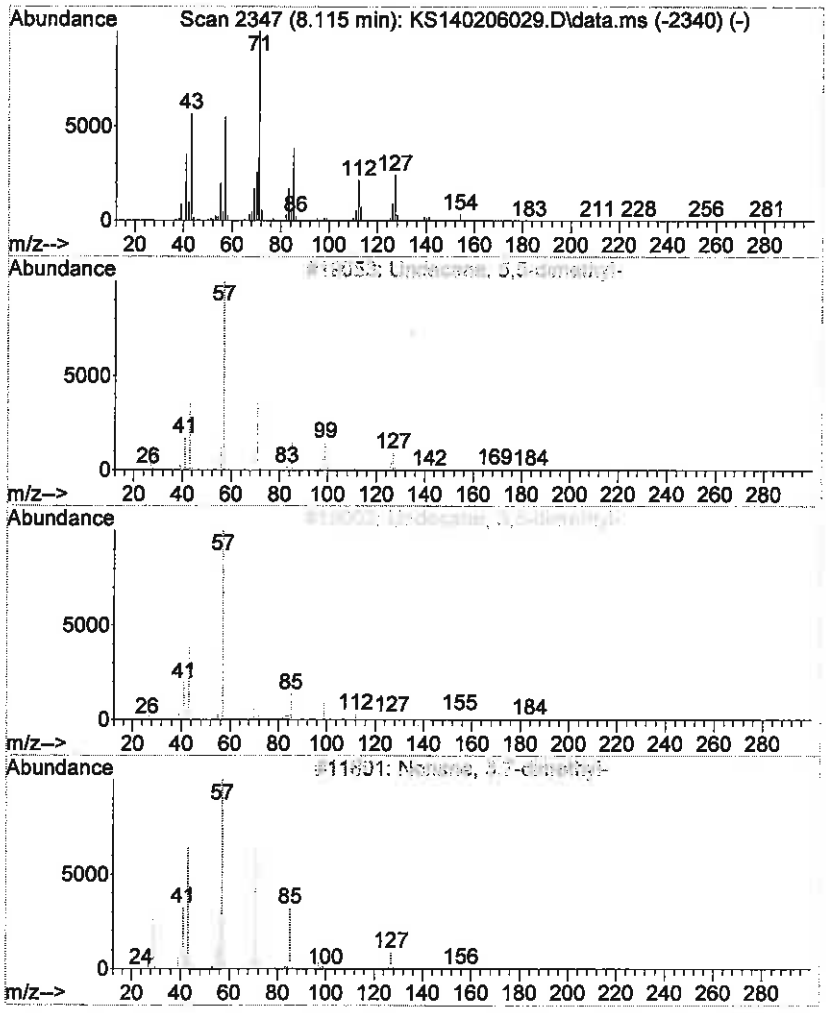
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Undecane, 5,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.115	3.19 ppb	2796530	1,4-Dichlorobenzene-d4	8.240

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5,5-dimethyl-	184	C13H28	017312-73-1	64
2	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	53
3	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	53
4	Octane, 2,6,6-trimethyl-	156	C11H24	054166-32-4	53
5	1-Decene, 4-methyl-	154	C11H22	013151-29-6	50



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ALS Vial : 26 Sample Multiplier: 1

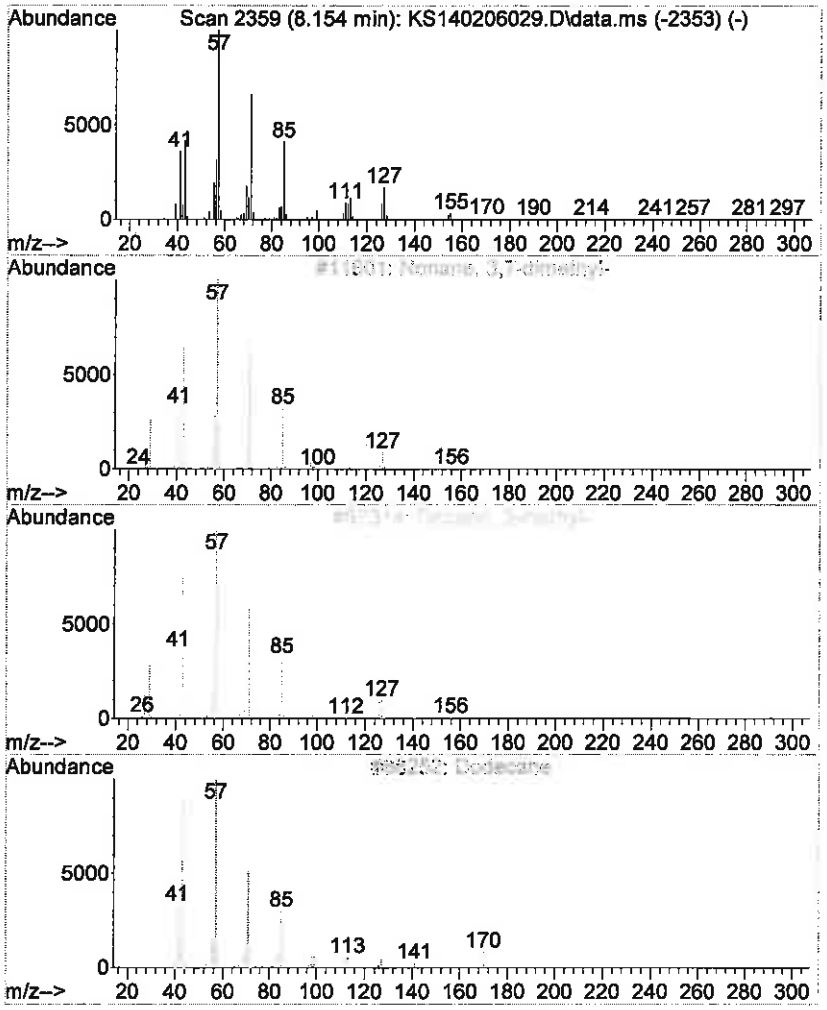
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

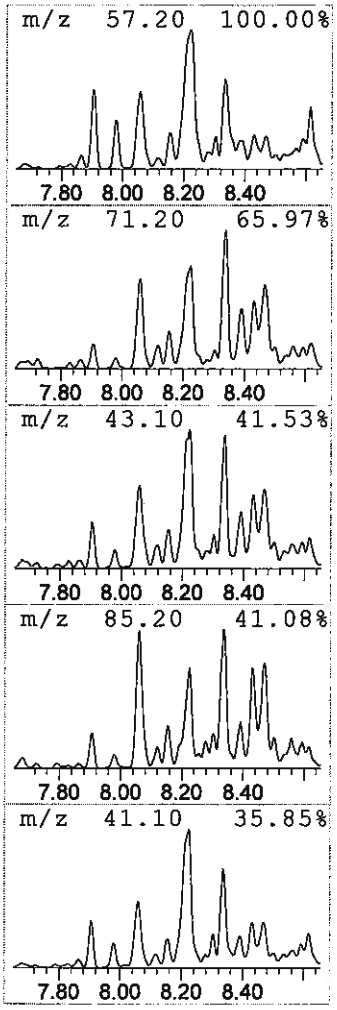
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Nonane, 3,7-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.154	6.29 ppb	5514720	1,4-Dichlorobenzene-d4	8.240

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	83
2	Decane, 3-methyl-	156	C11H24	013151-34-3	83
3	Dodecane	170	C12H26	000112-40-3	80
4	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	72
5	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	64





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ALS Vial : 26 Sample Multiplier: 1

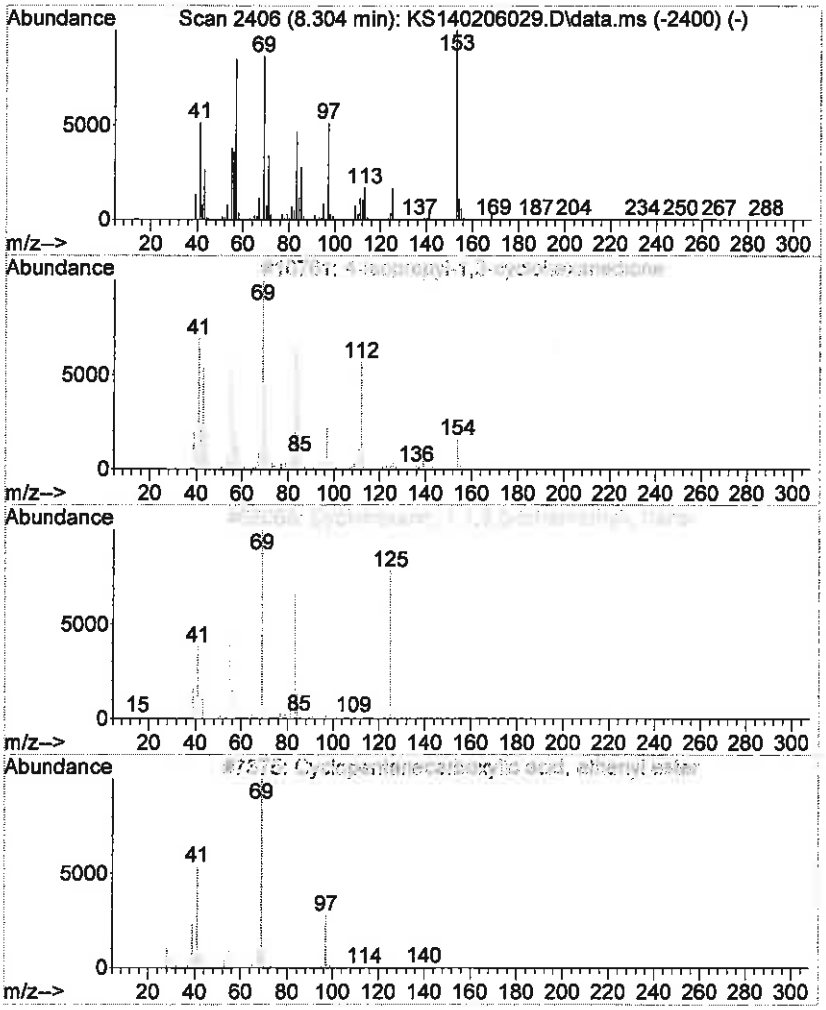
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

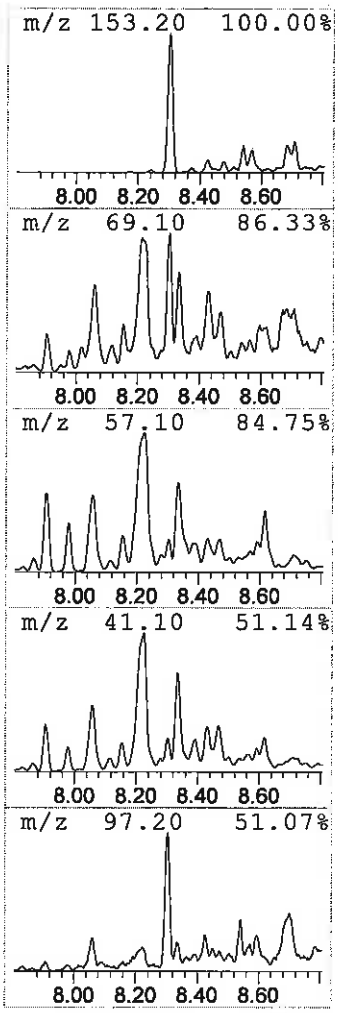
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4-Isopropyl-1,3-cyclohexane... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.304	5.52 ppb	4840310	1,4-Dichlorobenzene-d4	8.240

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Isopropyl-1,3-cyclohexanedione	154	C9H14O2	062831-62-3	38
2	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	27
3	Cyclopentanecarboxylic acid, eth...	140	C8H12O2	016523-06-1	22
4	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	16
5	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	16





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Sample : 1400314-01
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ALS Vial : 26 Sample Multiplier: 1

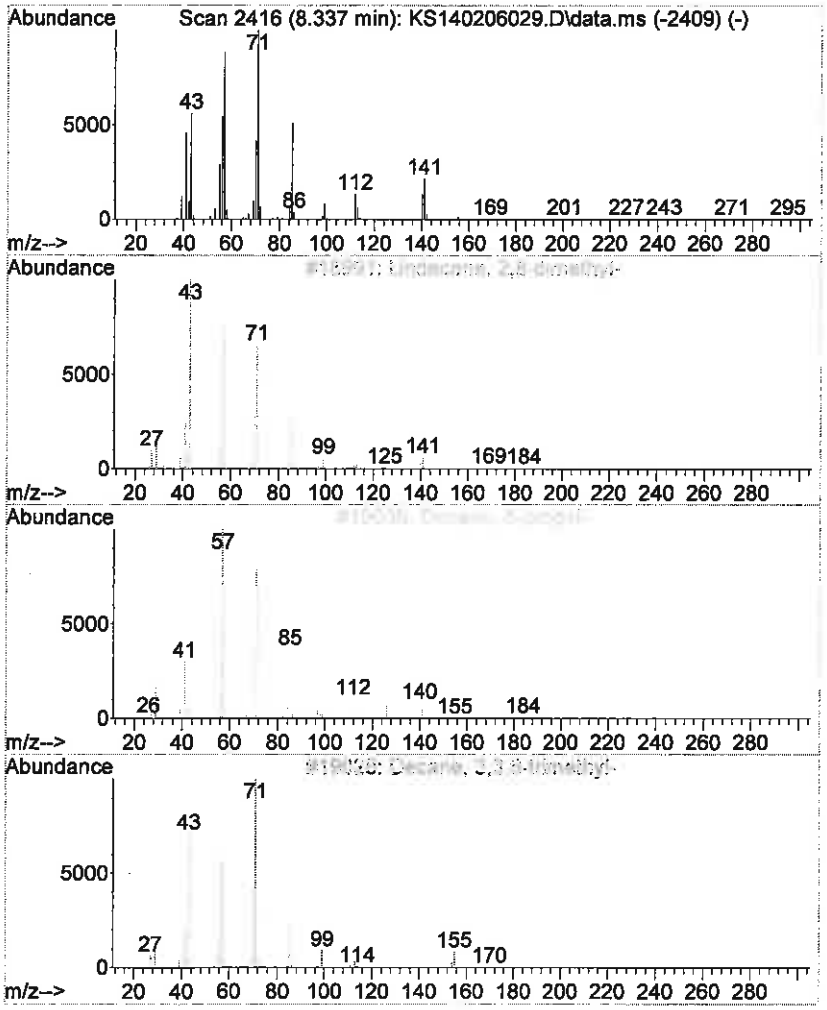
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

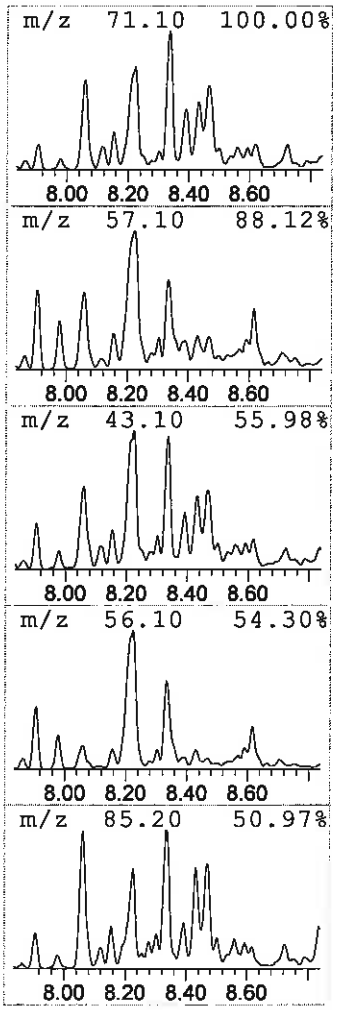
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Undecane, 2,8-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.337	23.33 ppb	20442800	1,4-Dichlorobenzene-d4	8.240

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,8-dimethyl-	184	C13H28	017301-25-6	53
2	Decane, 5-propyl-	184	C13H28	017312-62-8	50
3	Decane, 3,3,6-trimethyl-	184	C13H28	062338-14-1	47
4	Decane, 3,3,5-trimethyl-	184	C13H28	062338-13-0	47
5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	47





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ALS Vial : 26 Sample Multiplier: 1

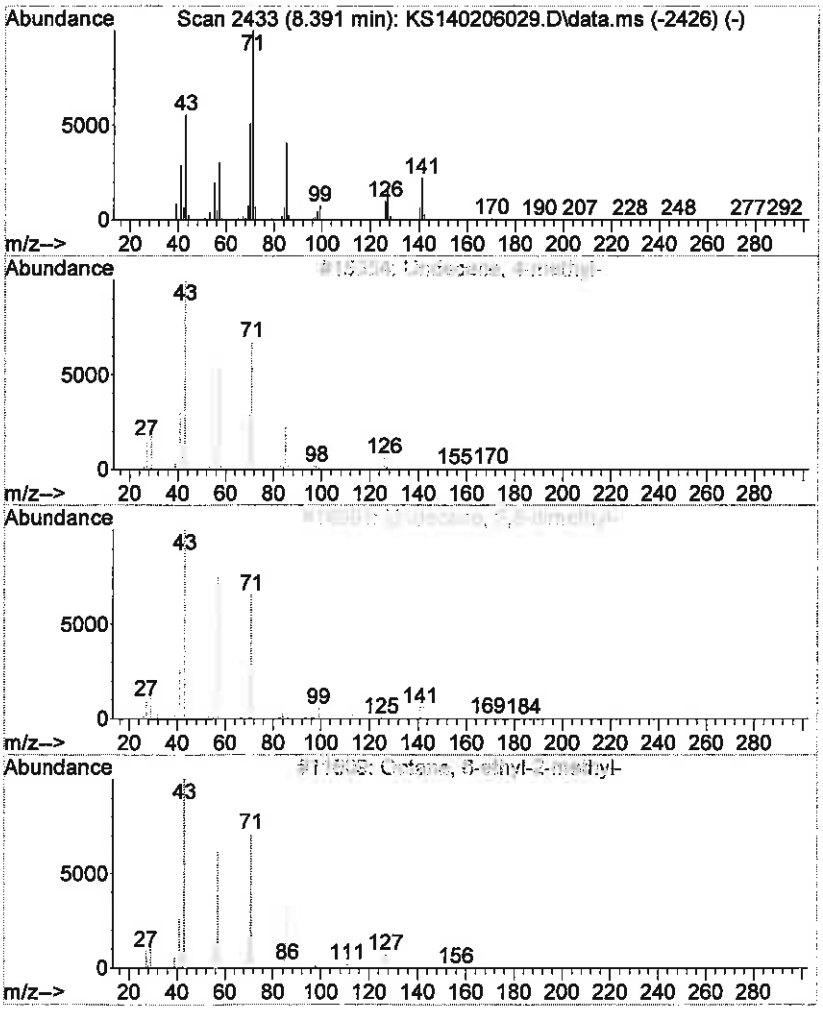
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

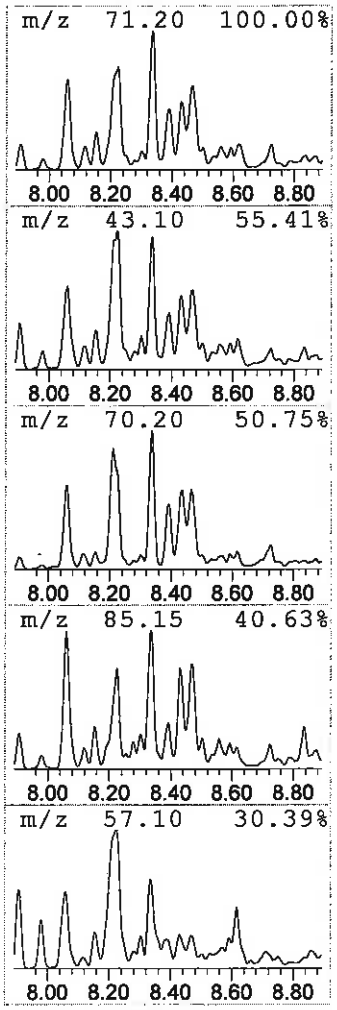
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Undecane, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.391	6.42 ppb	5621890	1,4-Dichlorobenzene-d4	8.240

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 4-methyl-	170	C12H26	002980-69-0	64
2	Undecane, 2,8-dimethyl-	184	C13H28	017301-25-6	64
3	Octane, 6-ethyl-2-methyl-	156	C11H24	062016-19-7	59
4	Undecane, 4-methyl-	170	C12H26	002980-69-0	50
5	Undecane, 4,8-dimethyl-	184	C13H28	017301-33-6	50





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ALS Vial : 26 Sample Multiplier: 1

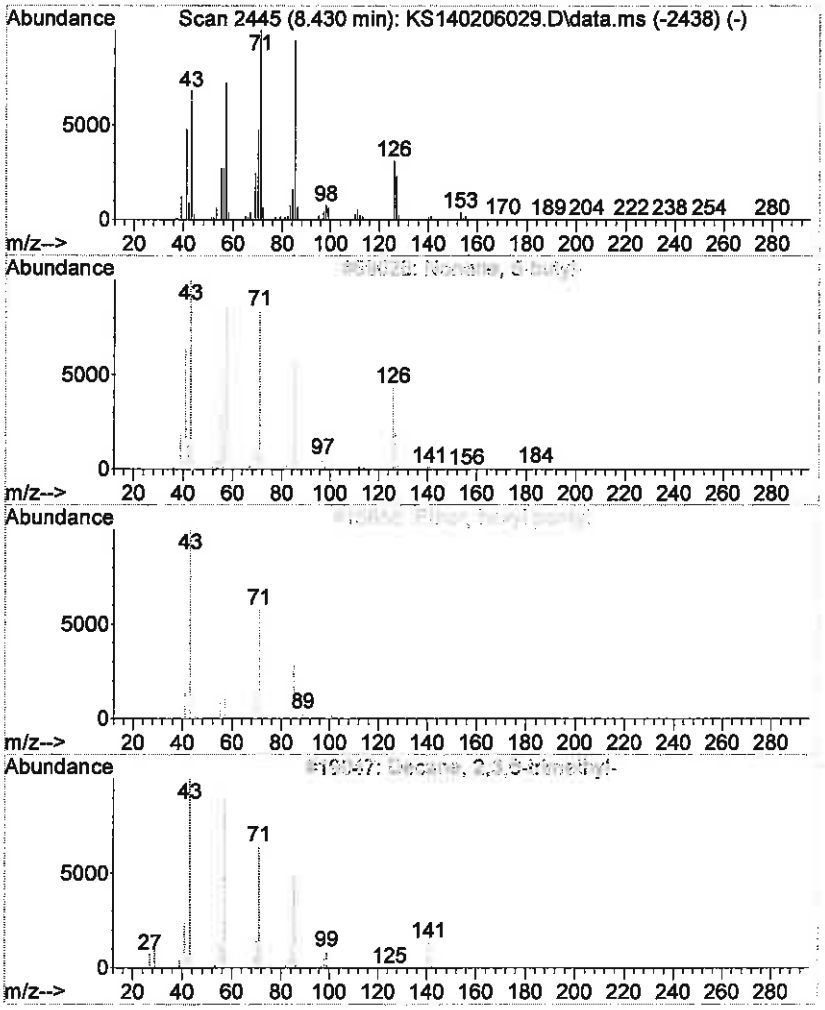
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

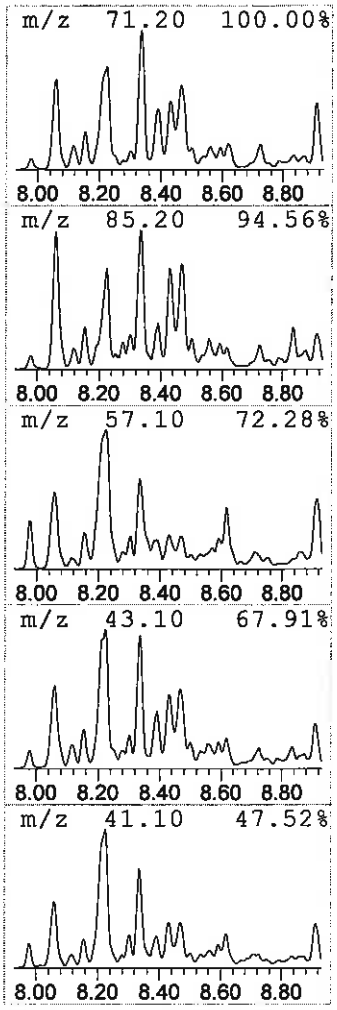
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Nonane, 5-butyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.430	10.34 ppb	9056750	1,4-Dichlorobenzene-d4	8.240

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 5-butyl-	184	C13H28	017312-63-9	59
2	Ether, hexyl pentyl	172	C11H24O	032357-83-8	53
3	Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	53
4	Undecane, 5-methyl-	170	C12H26	001632-70-8	47
5	Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	47





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ALS Vial : 26 Sample Multiplier: 1

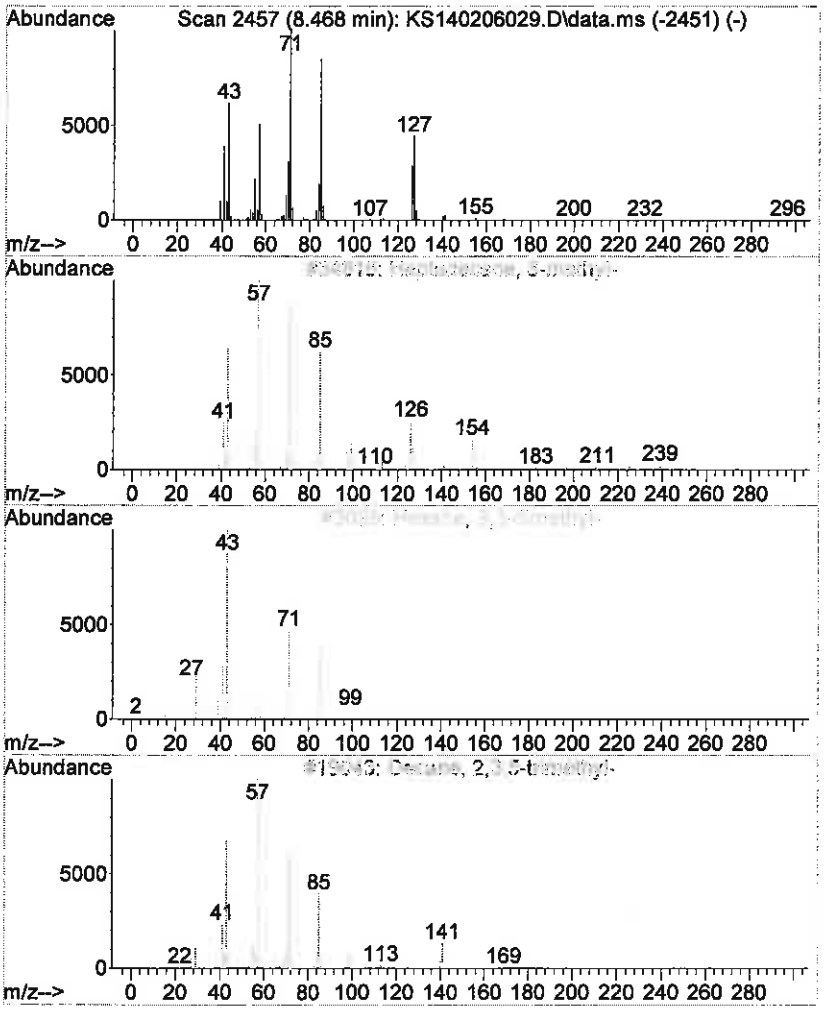
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

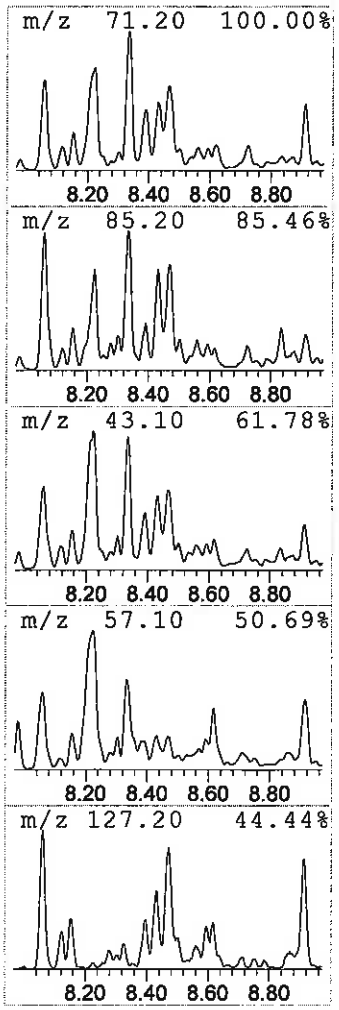
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Heptadecane, 8-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.468	10.83 ppb	9490350	1,4-Dichlorobenzene-d4	8.240

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	64
2	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59
3	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	53
4	Octane, 2,6,6-trimethyl-	156	C11H24	054166-32-4	50
5	Nonane	128	C9H20	000111-84-2	43





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ALS Vial : 26 Sample Multiplier: 1

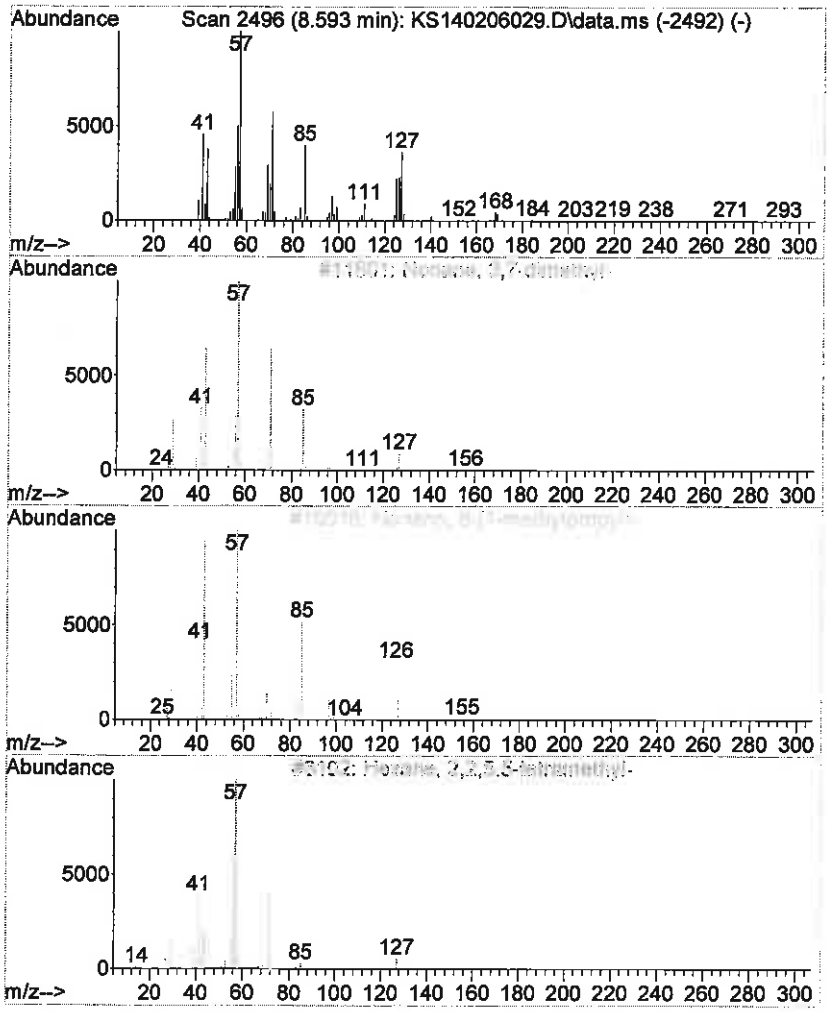
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Nonane, 3,7-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.593	2.13 ppb	1867930	1,4-Dichlorobenzene-d4	8.240

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	43
2	Nonane, 5-(1-methylpropyl)-	184	C13H28	062185-54-0	43
3	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	38
4	Decanedioic acid, didecyl ester	482	C30H58O4	002432-89-5	35
5	Tetradecane	198	C14H30	000629-59-4	35



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ALS Vial : 26 Sample Multiplier: 1

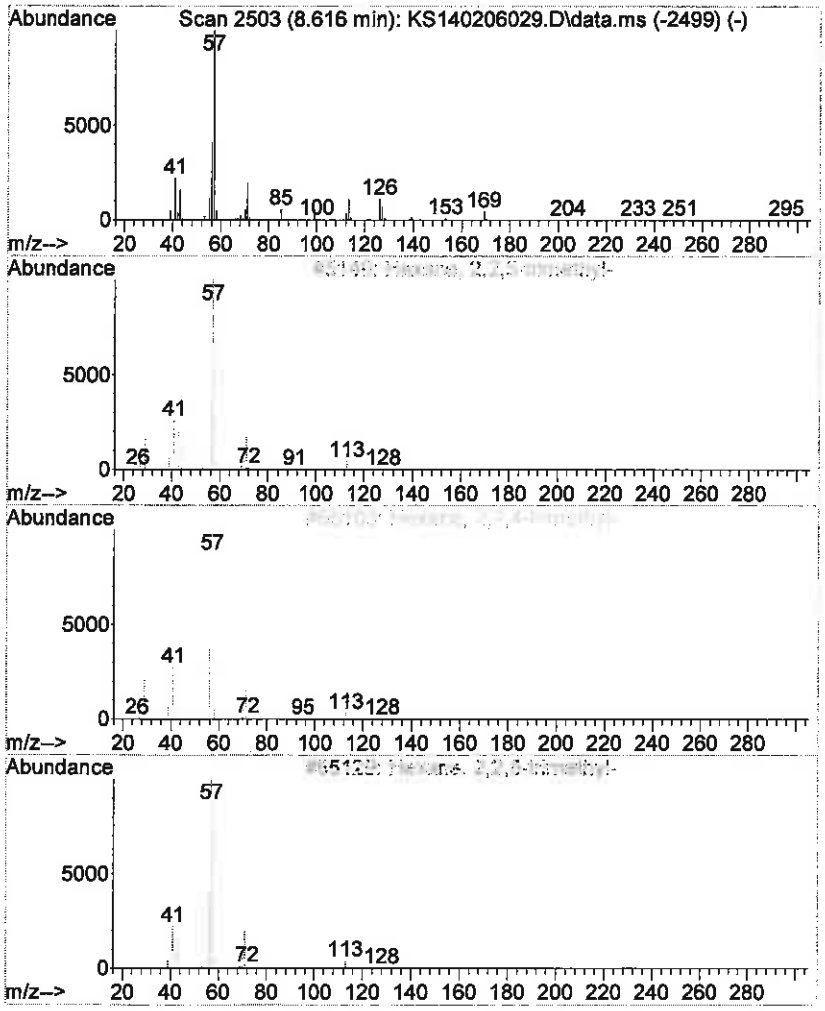
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

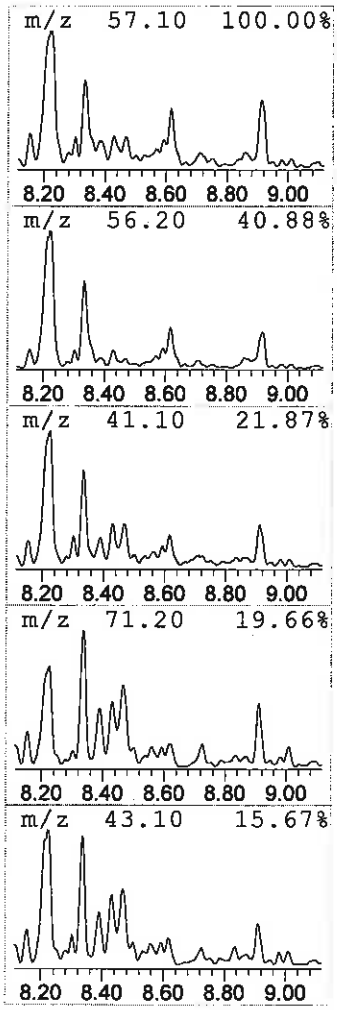
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Hexane, 2,2,5-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.616	7.81 ppb	6843360	1,4-Dichlorobenzene-d4	8.240

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	59
2	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	59
3	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	53
4	Heptane, 4-ethyl-2,2,6,6-tetrame...	184	C13H28	062108-31-0	53
5	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	53





Library Search Compound Report

Data Path : D:\msddata\data\K140206\
Data File : KS140206029.D
Acq On : 6 Feb 2014 5:26 pm
Operator : TP
Sample : 1400314-01
Misc : 1.0E3 B4B0066 100UL/5ML of 20X
ALS Vial : 26 Sample Multiplier: 1

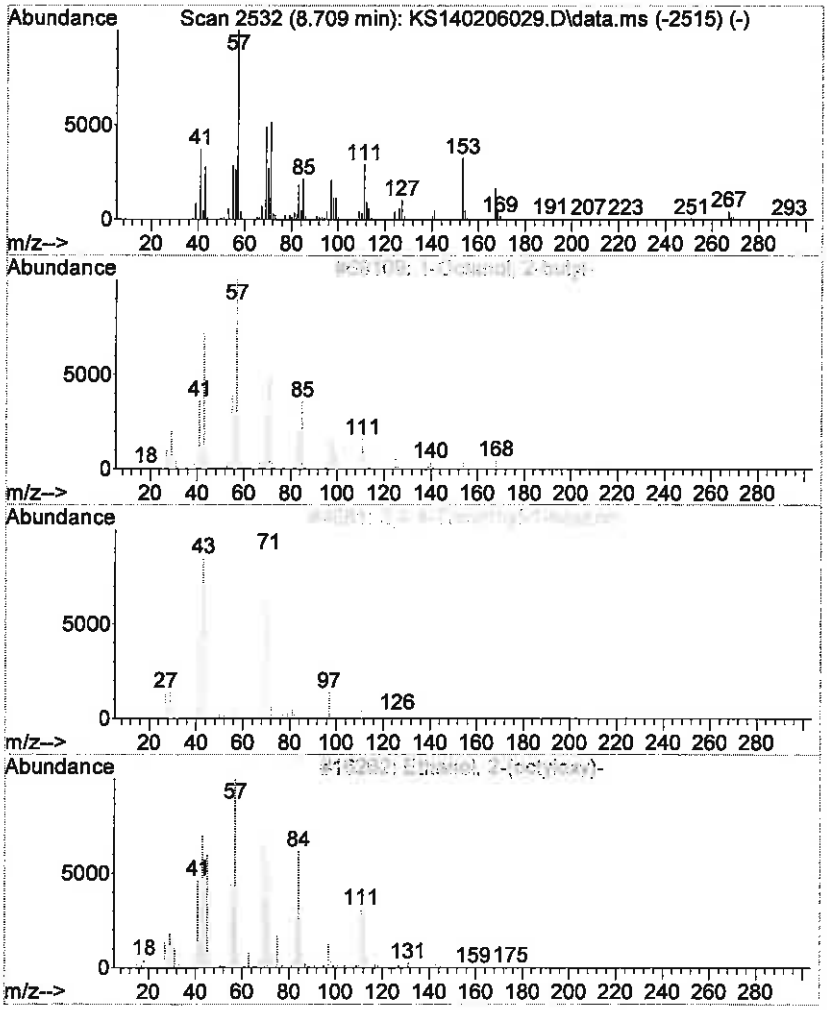
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

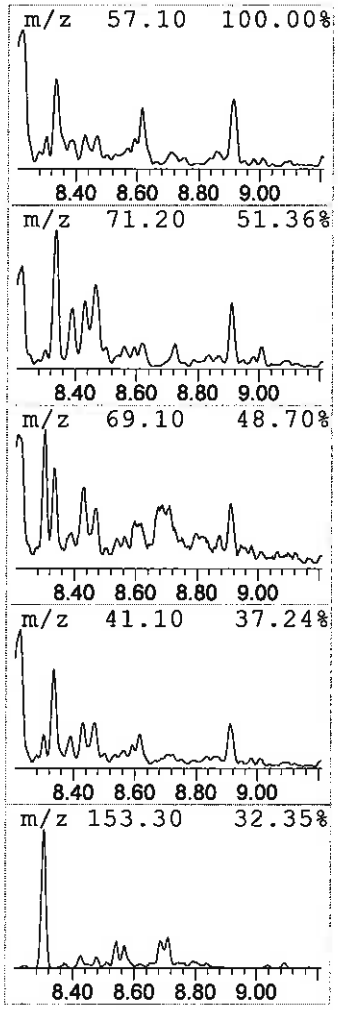
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 1-Octanol, 2-butyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.709	5.54 ppb	4852540	1,4-Dichlorobenzene-d4	8.240

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	43
2	2,4,4-Trimethyl-1-hexene	126	C9H18	051174-12-0	35
3	Ethanol, 2-(octyloxy)-	174	C10H22O2	010020-43-6	35
4	Decane	142	C10H22	000124-18-5	35
5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	30





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Acq On : 6 Feb 2014 5:26 pm
Operator : TP
Sample : 1400314-01
Misc : 1.0E3 B4B0066 100UL/5ML of 20X
ALS Vial : 26 Sample Multiplier: 1

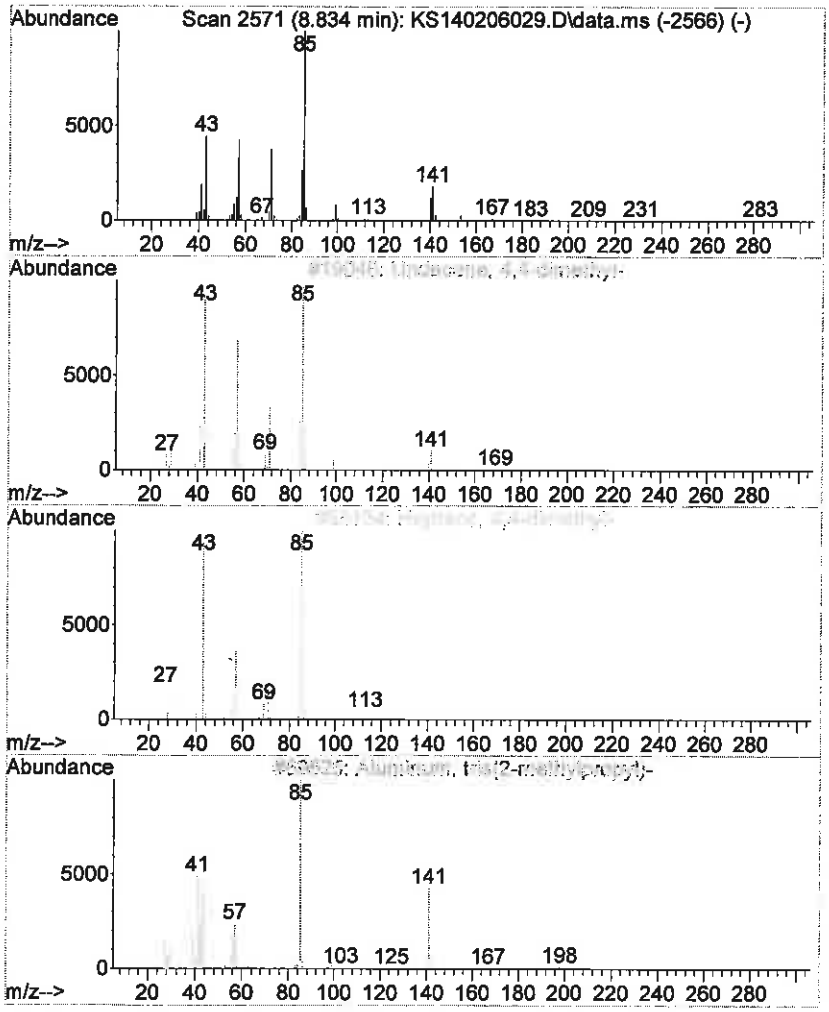
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

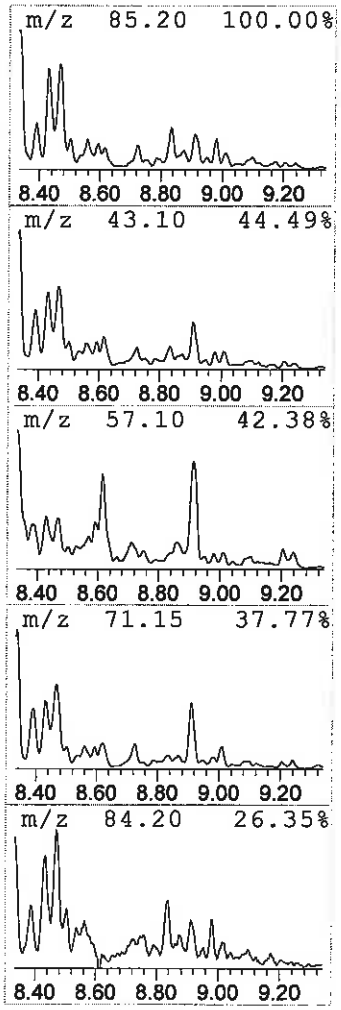
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Undecane, 4,4-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.834	2.51 ppb	2199240	1,4-Dichlorobenzene-d4	8.240

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 4,4-dimethyl-	184	C13H28	017312-68-4	83
2	Heptane, 4,4-dimethyl-	128	C9H20	001068-19-5	59
3	Aluminum, tris(2-methylpropyl)-	198	C12H27Al	000100-99-2	53
4	2-Pyrrolidinone	85	C4H7NO	000616-45-5	47
5	Aluminum, tris(2-methylpropyl)-	198	C12H27Al	000100-99-2	40





Library Search Compound Report

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Acq On : 6 Feb 2014 5:26 pm
Operator : TP
Sample : 1400314-01
Misc : 1.0E3 B4B0066 100UL/5ML of 20X
ALS Vial : 26 Sample Multiplier: 1

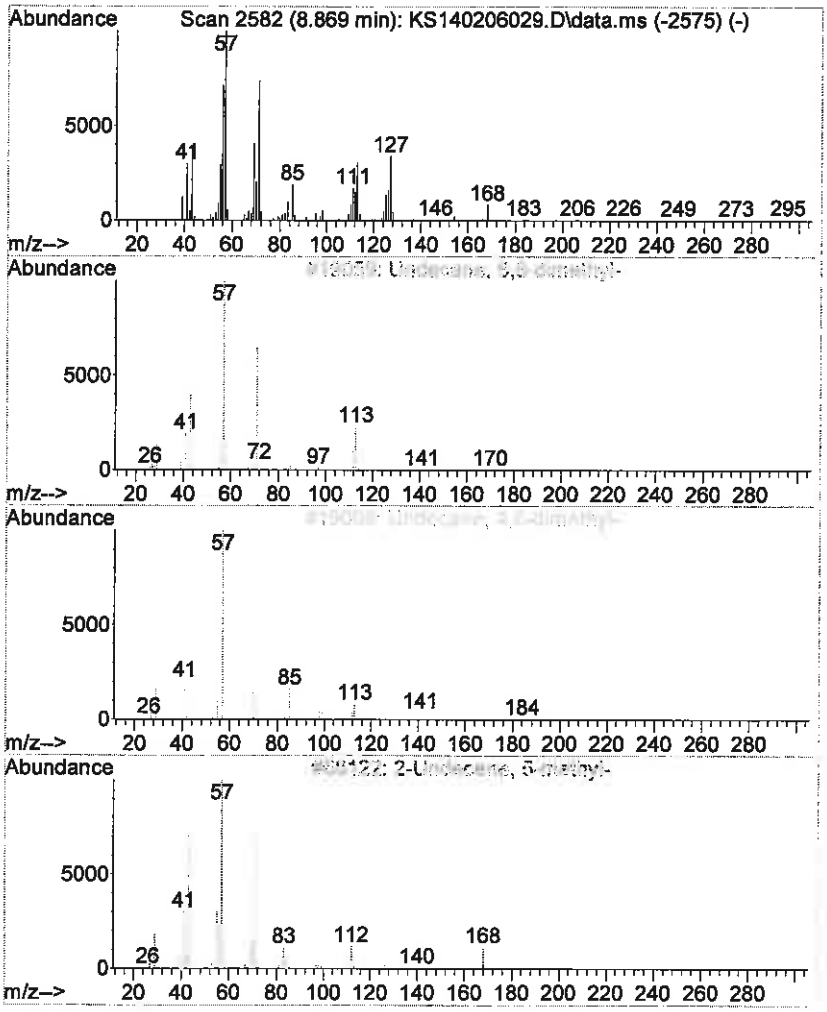
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Undecane, 6,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.869	3.49 ppb	3061150	1,4-Dichlorobenzene-d4	8.240

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	47
2	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	43
3	2-Undecene, 5-methyl-	168	C12H24	056851-34-4	38
4	2-Undecene, 5-methyl-	168	C12H24	056851-34-4	38
5	Undecane, 6-ethyl-	184	C13H28	017312-60-6	38



Data Path : D:\msddata\data\K140206\
Data File : KS140206029.D
Acq On : 6 Feb 2014 5:26 pm
Operator : TP
Sample : 1400314-01
Misc : 1.0E3 B4B0066 100UL/5ML of 20X
ALS Vial : 26 Sample Multiplier: 1

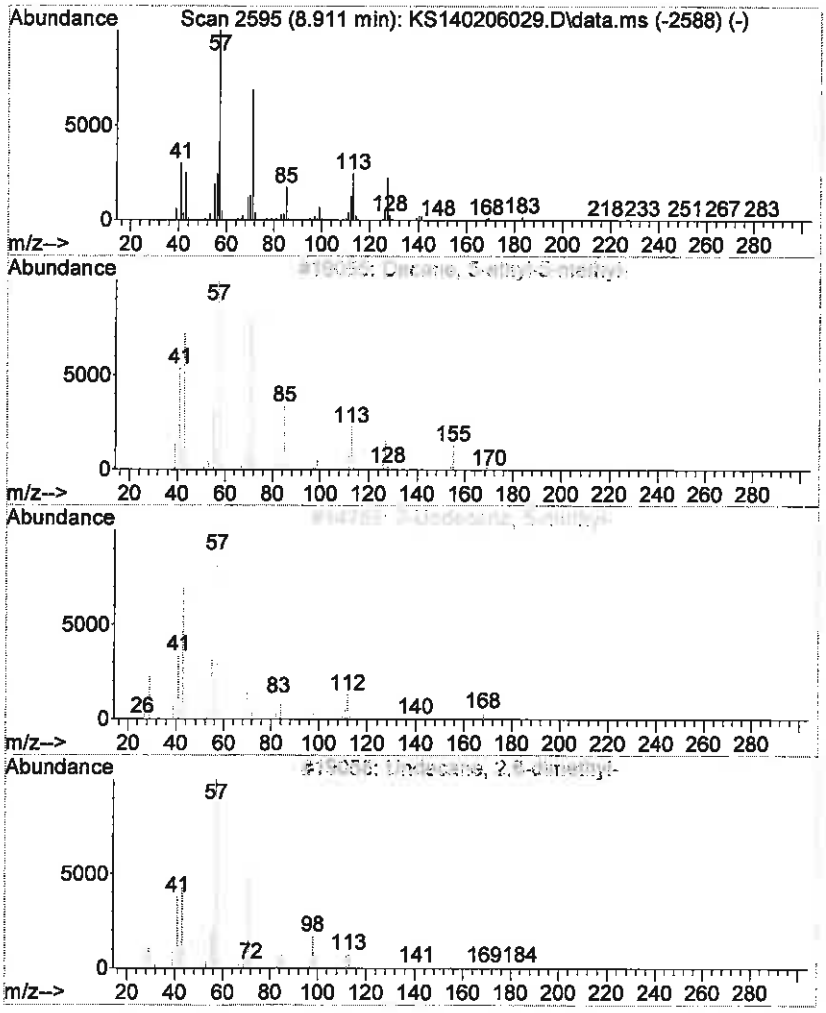
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

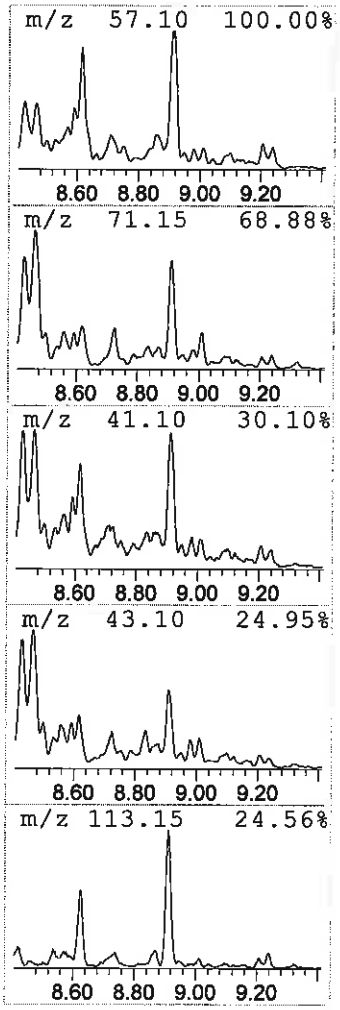
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Decane, 5-ethyl-5-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.911	12.89 ppb	11297200	1,4-Dichlorobenzene-d4	8.240

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 5-ethyl-5-methyl-	184	C13H28	017312-74-2	59
2	2-Undecene, 5-methyl-	168	C12H24	056851-34-4	50
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	50
4	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	50
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	50





Data Path : D:\msddata\data\K140206\
Data File : KS140206029.D
Acq On : 6 Feb 2014 5:26 pm
Operator : TP
Sample : 1400314-01
Misc : 1.0E3 B4B0066 100UL/5ML of 20X
ALS Vial : 26 Sample Multiplier: 1

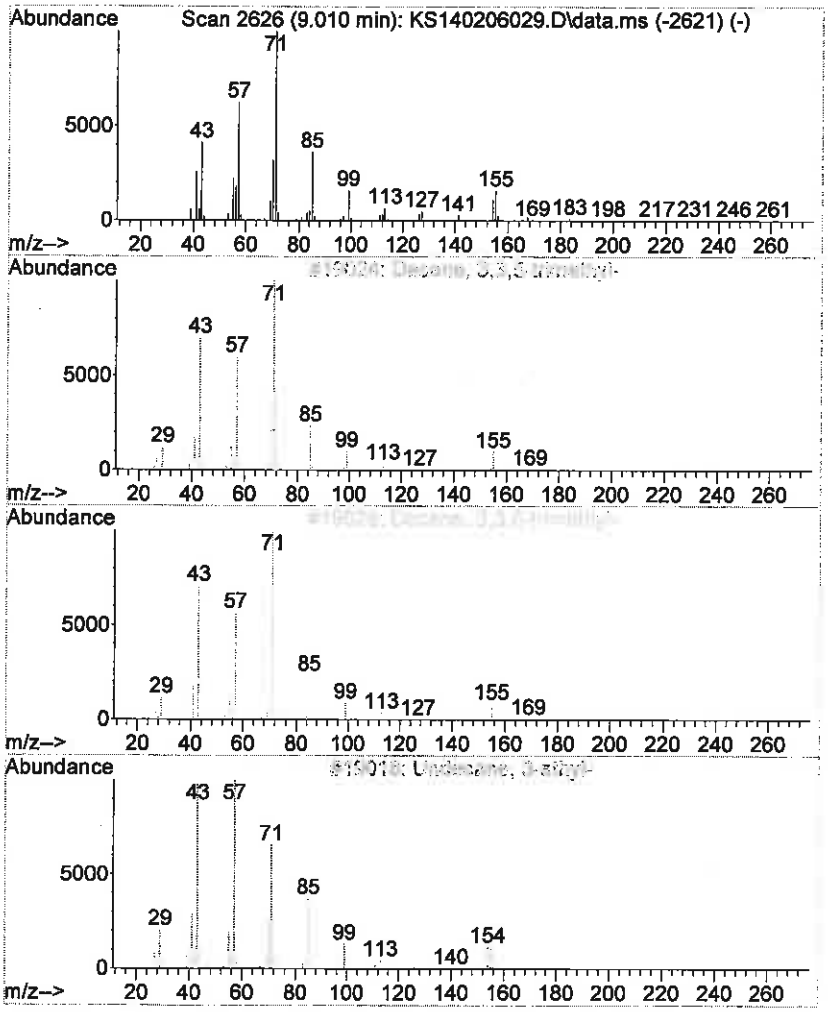
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

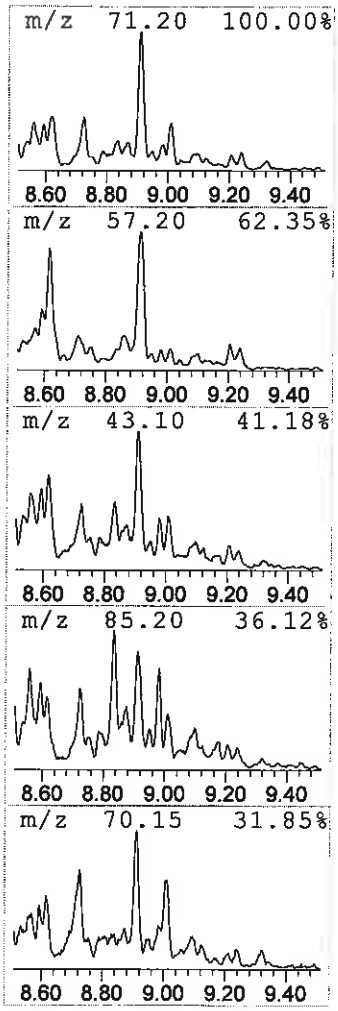
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Decane, 3,3,5-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.010	2.00 ppb	1750930	1,4-Dichlorobenzene-d4	8.240

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,3,5-trimethyl-	184	C13H28	062338-13-0	78
2	Decane, 3,3,6-trimethyl-	184	C13H28	062338-14-1	78
3	Undecane, 3-ethyl-	184	C13H28	017312-58-2	53
4	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	50
5	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	47



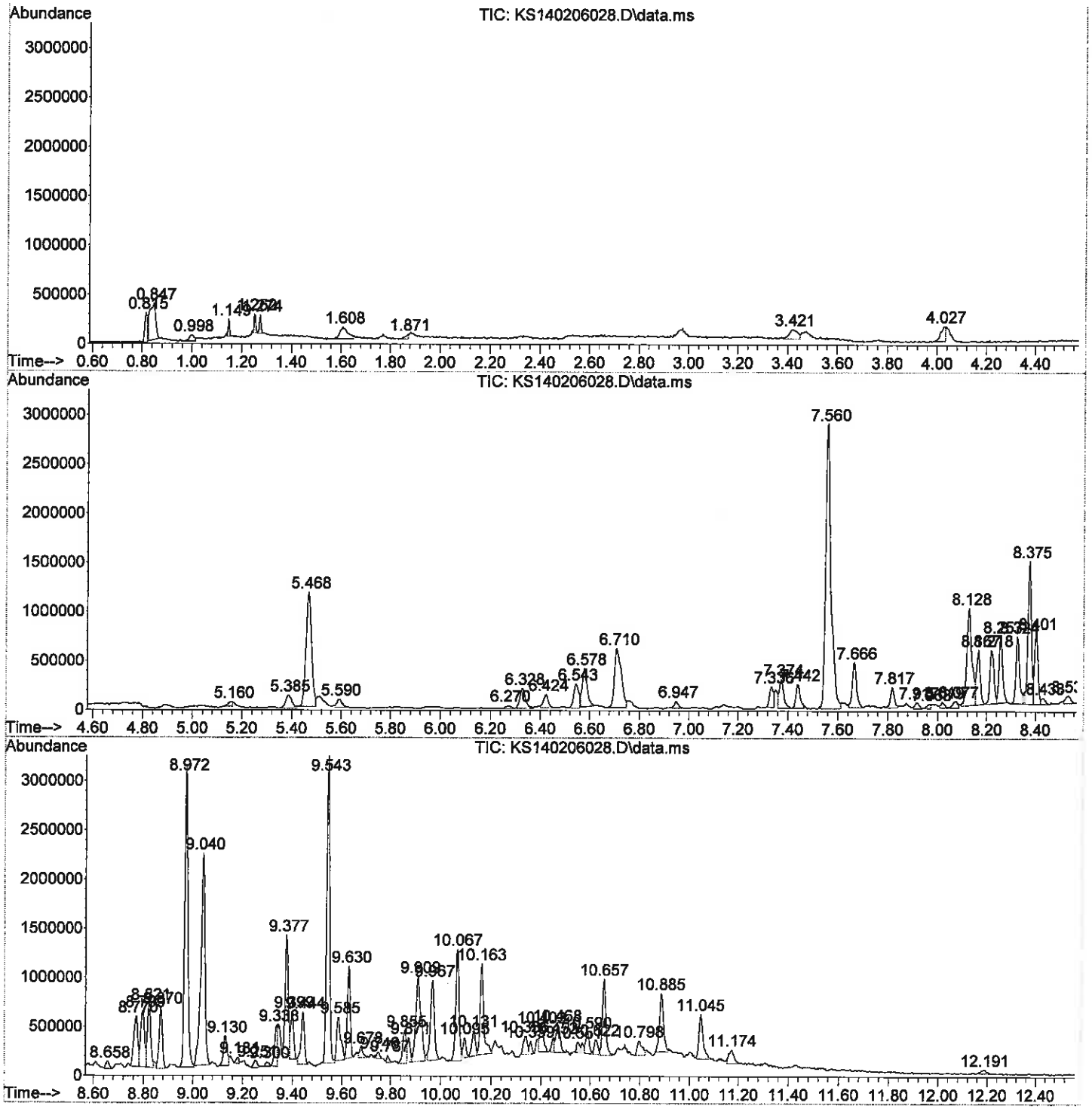


LSC Report - Integrated Chromatogram

Data Path : D:\msddata\data\K140206\
Data File : KS140206028.D
Acq On : 6 Feb 2014 5:09 pm
Operator : TP
Sample : 1400314-02
Misc : 50 B4B0066 100ul/5ml
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P



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Data File : KS140206028.D
Acq On : 6 Feb 2014 5:09 pm
Operator : TP
Sample : 1400314-02
Misc : 50 B4B0066 100ul/5ml
ALS Vial : 25 Sample Multiplier: 1

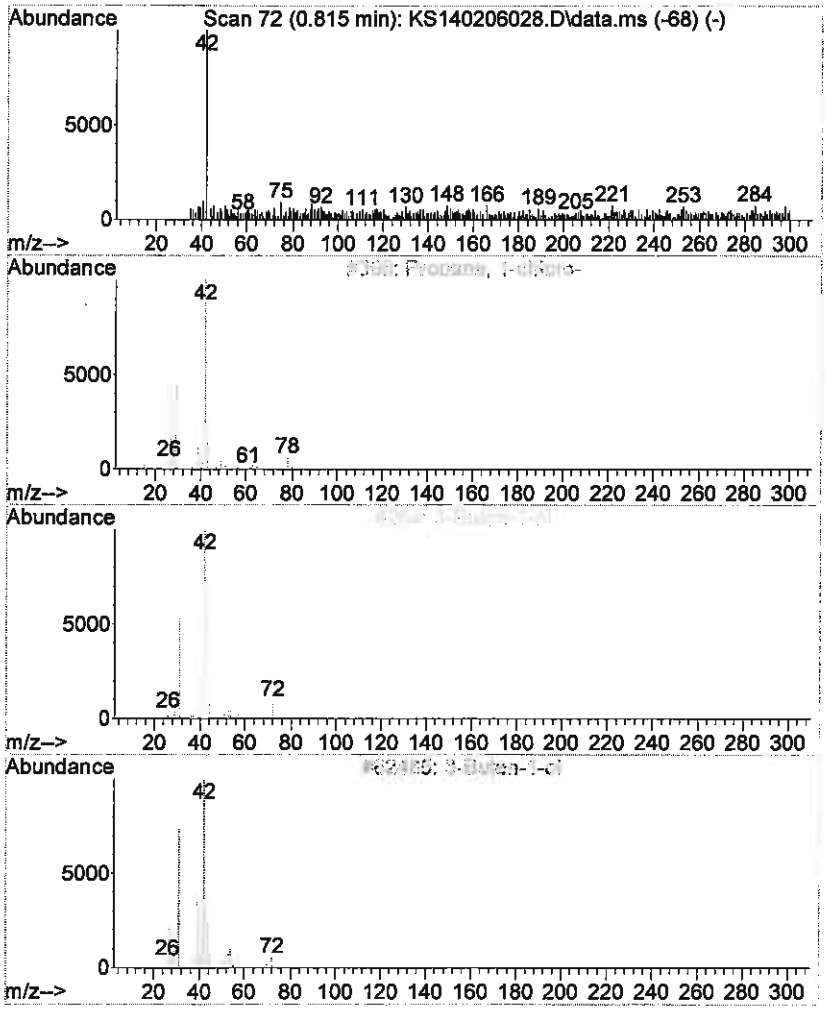
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

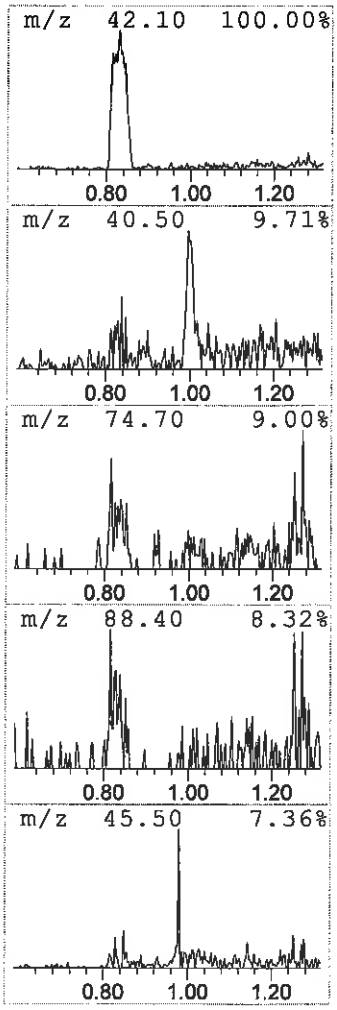
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Propane, 1-chloro- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
0.815	51.01 ppb	227716	Pentafluorobenzene	3.424

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1-chloro-	78	C3H7Cl	000540-54-5	43
2	3-Buten-1-ol	72	C4H8O	000627-27-0	43
3	3-Buten-1-ol	72	C4H8O	000627-27-0	37
4	Ethanamine, N-methyl-N-nitroso-	88	C3H8N2O	010595-95-6	37
5	3-Butenoic acid, ethyl ester	114	C6H10O2	001617-18-1	37





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Data File : KS140206028.D
Acq On : 6 Feb 2014 5:09 pm
Operator : TP
Sample : 1400314-02
Misc : 50 B4B0066 100ul/5ml
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

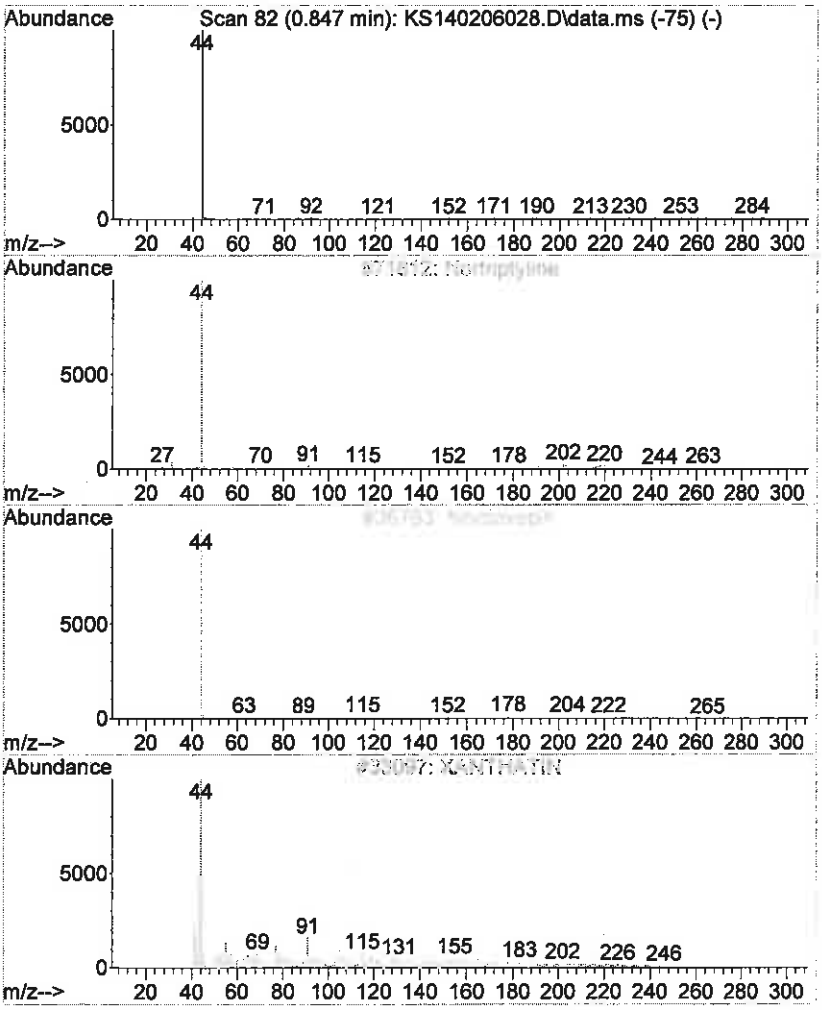
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

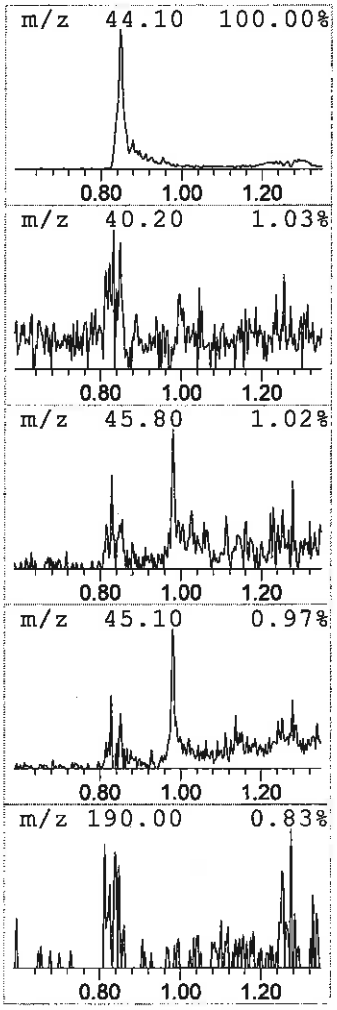
****

Peak Number 2 Nortriptyline Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
0.847	132.09 ppb	589622	Pentafluorobenzene	3.424

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nortriptyline	263	C19H21N	000072-69-5	9
2	Nordoxepin	265	C18H19NO	000000-00-0	9
3	XANTHATIN	246	C15H18O3	026791-73-1	7
4	Methanesulfinic acid, trifluoro-...	206	C4H9F3O2SSi	051735-75-2	5
5	Nortriptyline	263	C19H21N	000072-69-5	5





Library Search Compound Report

Data Path : D:\msddata\data\K140206\
Data File : KS140206028.D
Acq On : 6 Feb 2014 5:09 pm
Operator : TP
Sample : 1400314-02
Misc : 50 B4B0066 100ul/5ml
ALS Vial : 25 Sample Multiplier: 1

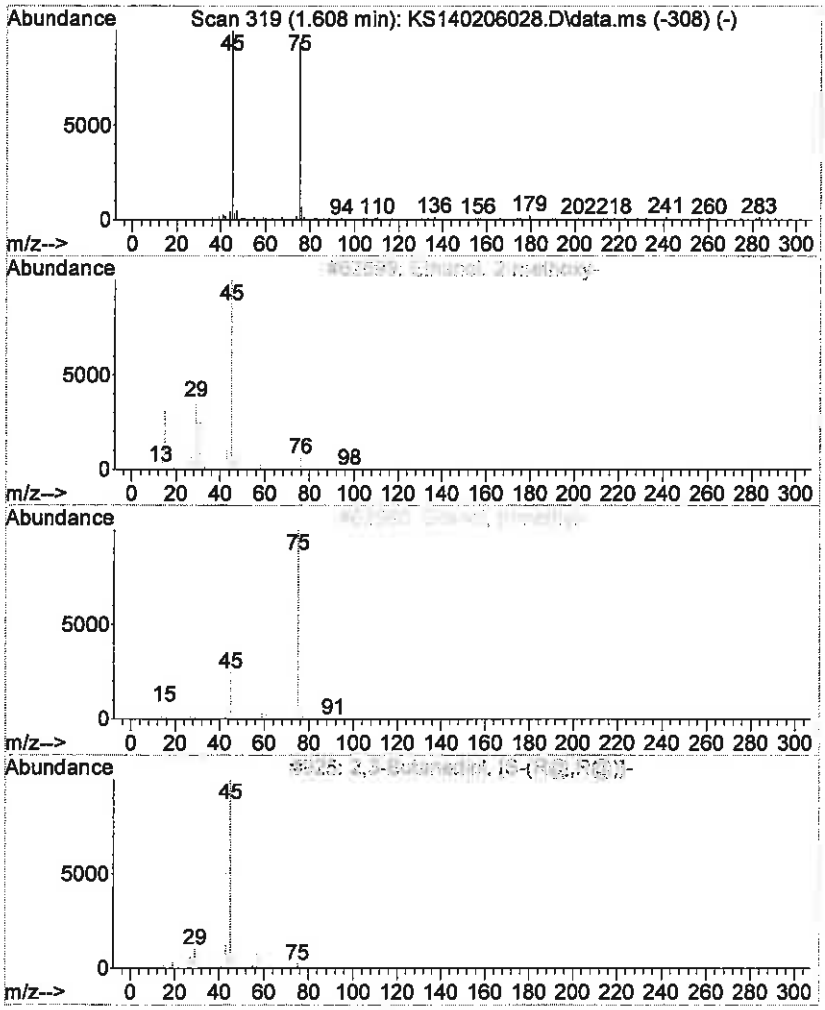
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

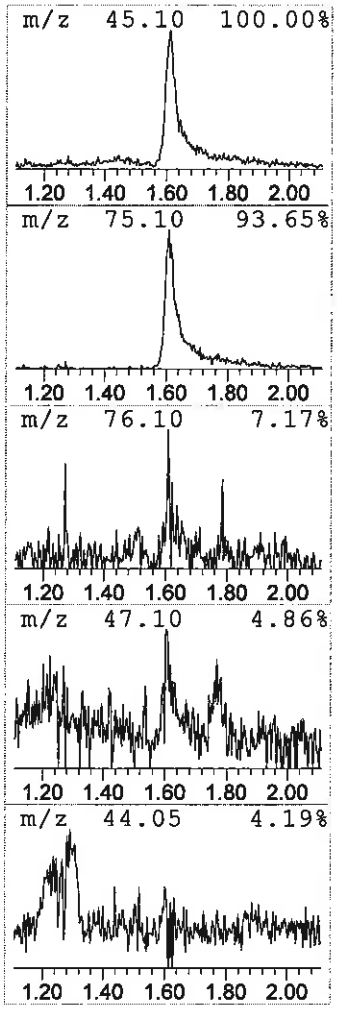
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Ethanol, 2-methoxy- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.608	58.94 ppb	263083	Pentafluorobenzene	3.424

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-methoxy-	76	C3H8O2	000109-86-4	32
2	Silanol, trimethyl-	90	C3H10OSi	001066-40-6	25
3	2,3-Butanediol, [S-(R@,R@)]-	90	C4H10O2	019132-06-0	23
4	Isopropyl Alcohol	60	C3H8O	000067-63-0	9
5	Ethanol, 2-methoxy-	76	C3H8O2	000109-86-4	9





Data Path : D:\msddata\data\K140206\
Data File : KS140206028.D
Acq On : 6 Feb 2014 5:09 pm
Operator : TP
Sample : 1400314-02
Misc : 50 B4B0066 100ul/5ml
ALS Vial : 25 Sample Multiplier: 1

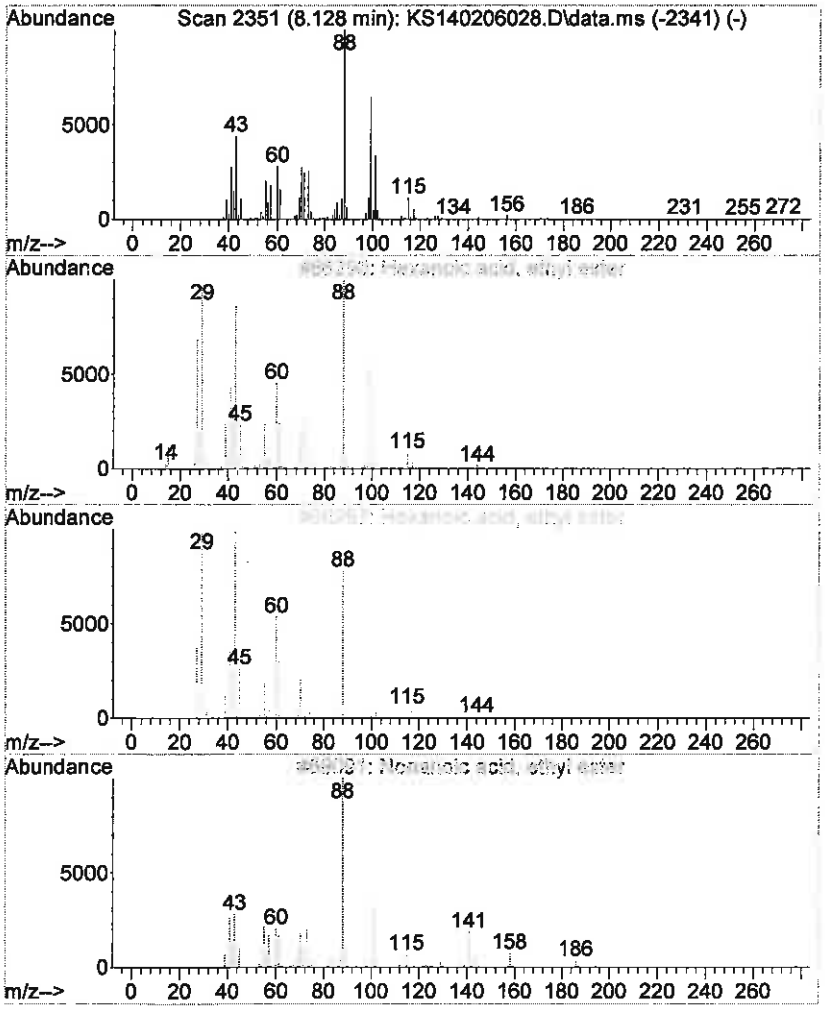
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

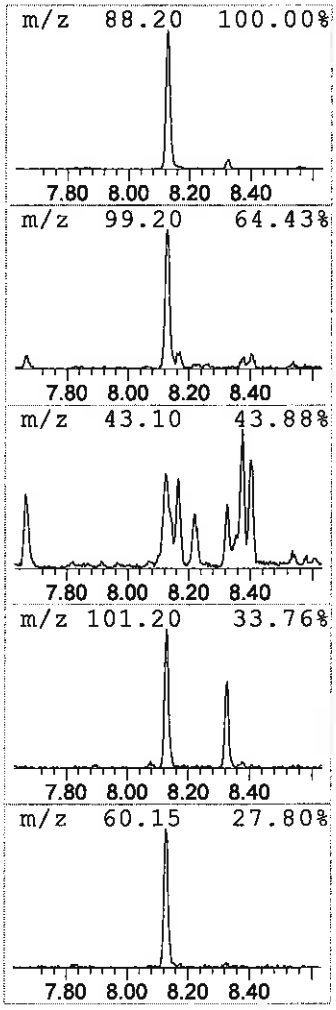
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Hexanoic acid, ethyl ester Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.128	106.17 ppb	1467750	1,4-Dichlorobenzene-d4	8.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, ethyl ester	144	C8H16O2	000123-66-0	72
2	Hexanoic acid, ethyl ester	144	C8H16O2	000123-66-0	58
3	Nonanoic acid, ethyl ester	186	C11H22O2	000123-29-5	50
4	Nonanoic acid, ethyl ester	186	C11H22O2	000123-29-5	50
5	Hexanoic acid, ethyl ester	144	C8H16O2	000123-66-0	49





Data Path : D:\msddata\data\K140206\
Data File : KS140206028.D
Acq On : 6 Feb 2014 5:09 pm
Operator : TP
Sample : 1400314-02
Misc : 50 B4B0066 100ul/5ml
ALS Vial : 25 Sample Multiplier: 1

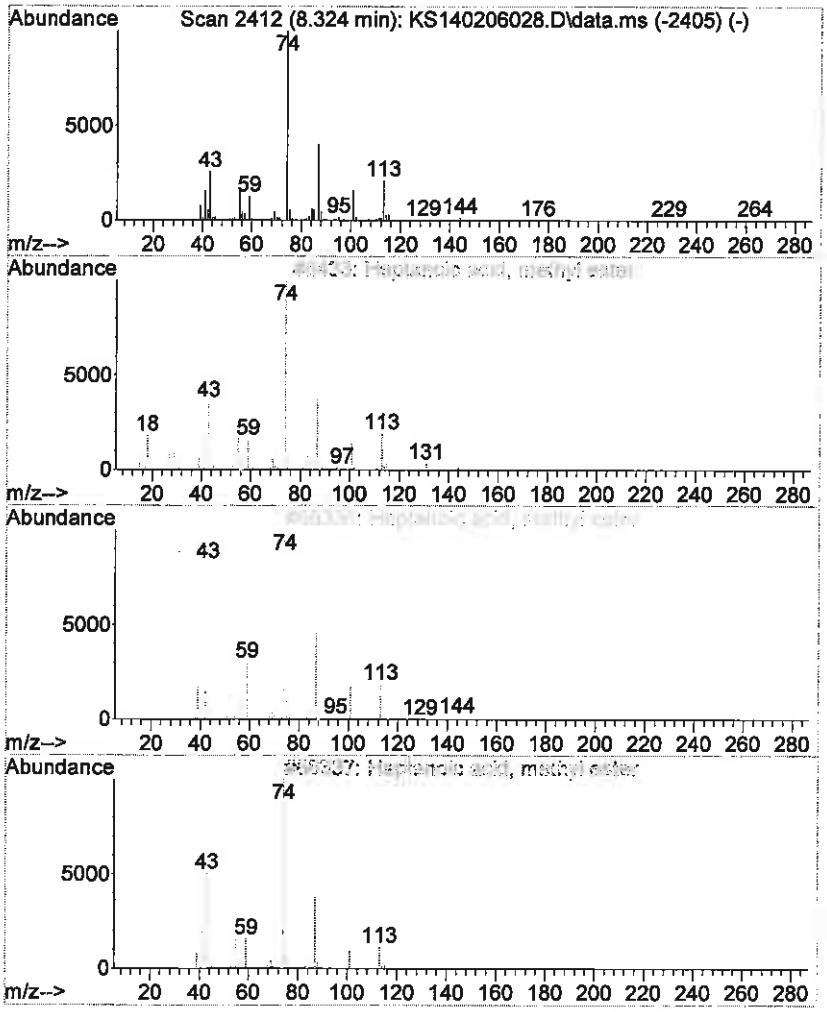
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

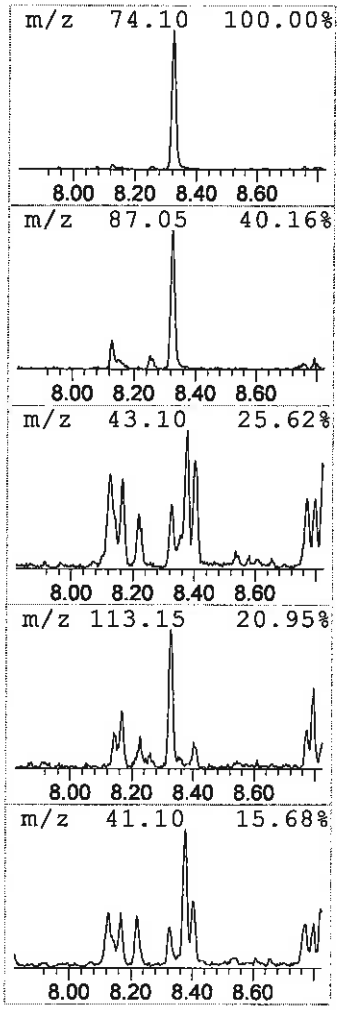
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Heptanoic acid, methyl ester Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.324	53.03 ppb	733099	1,4-Dichlorobenzene-d4	8.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanoic acid, methyl ester	144	C8H16O2	000106-73-0	94
2	Heptanoic acid, methyl ester	144	C8H16O2	000106-73-0	90
3	Heptanoic acid, methyl ester	144	C8H16O2	000106-73-0	83
4	Heptanoic acid, methyl ester	144	C8H16O2	000106-73-0	64
5	Hexanoic acid, 2-methyl-	130	C7H14O2	004536-23-6	64





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Acq On : 6 Feb 2014 5:09 pm
Operator : TP
Sample : 1400314-02
Misc : 50 B4B0066 100ul/5ml
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

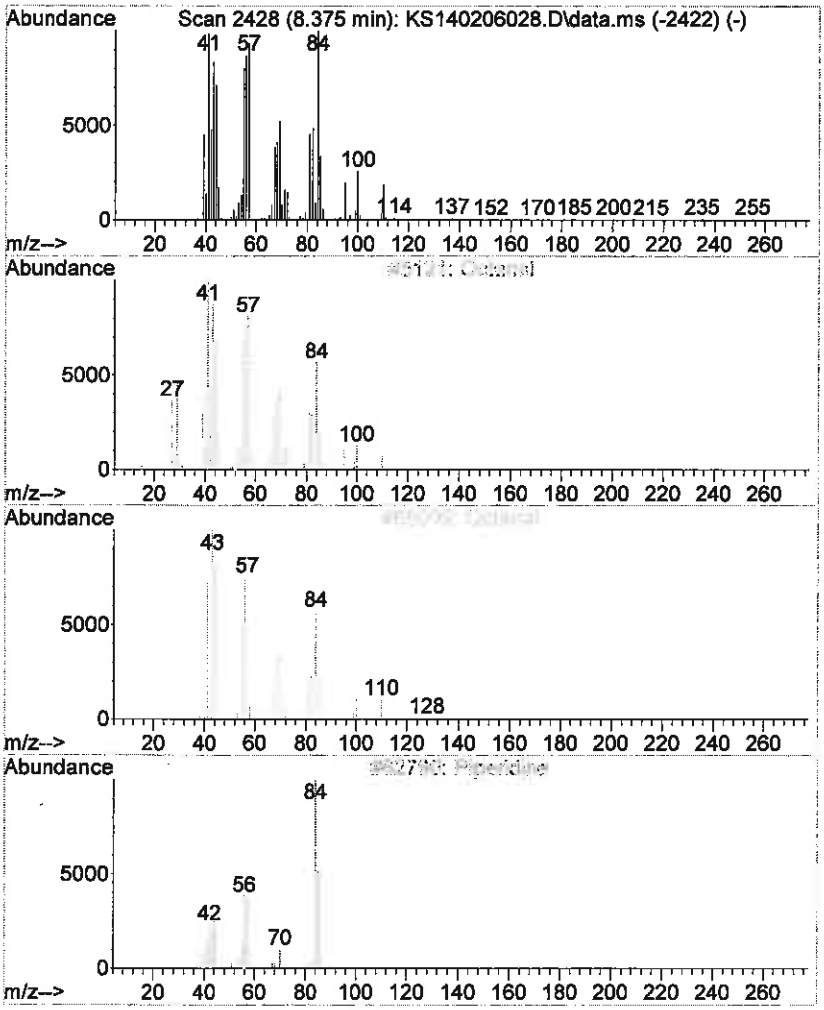
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

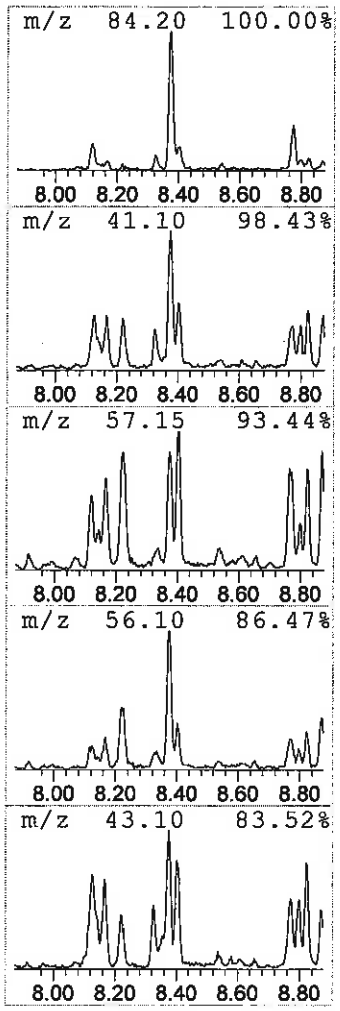
****

Peak Number 6 Octanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.375	107.49 ppb	1485970	1,4-Dichlorobenzene-d4	8.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal	128	C8H16O	000124-13-0	91
2	Octanal	128	C8H16O	000124-13-0	72
3	Piperidine	85	C5H11N	000110-89-4	52
4	Piperidine	85	C5H11N	000110-89-4	47
5	Cyclohexane	84	C6H12	000110-82-7	38





Data Path : D:\msddata\data\K140206\
Data File : KS140206028.D
Acq On : 6 Feb 2014 5:09 pm
Operator : TP
Sample : 1400314-02
Misc : 50 B4B0066 100ul/5ml
ALS Vial : 25 Sample Multiplier: 1

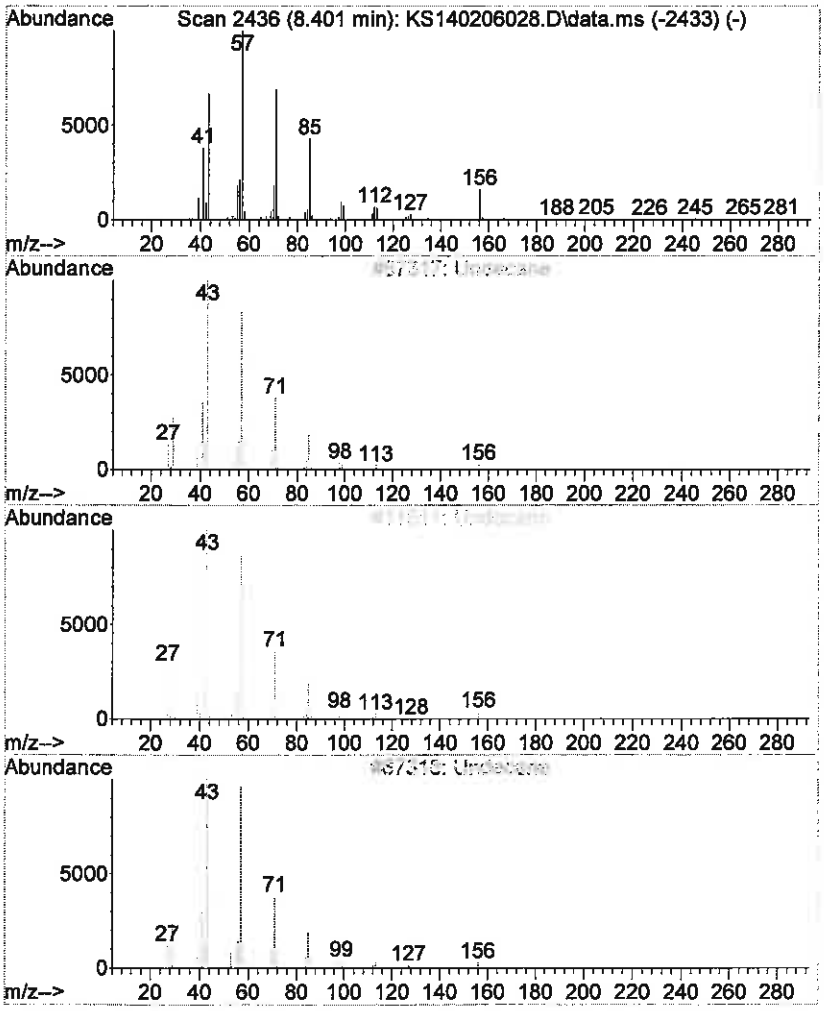
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

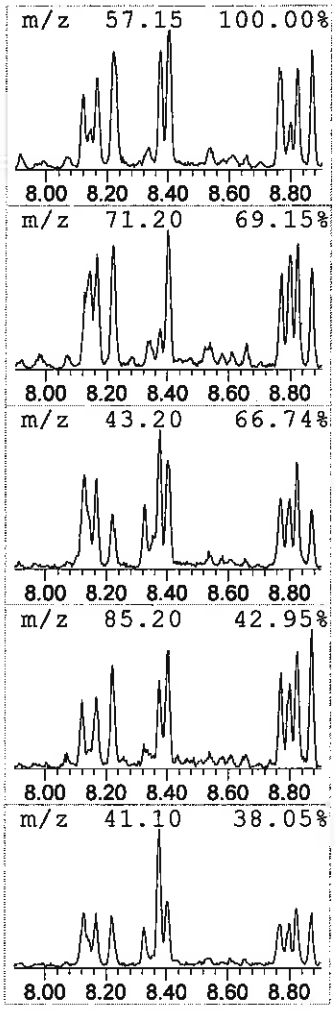
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Undecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.401	51.01 ppb	705213	1,4-Dichlorobenzene-d4	8.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	94
2	Undecane	156	C11H24	001120-21-4	91
3	Undecane	156	C11H24	001120-21-4	87
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	68
5	Undecane, 2-methyl-	170	C12H26	007045-71-8	64





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Acq On : 6 Feb 2014 5:09 pm
Operator : TP
Sample : 1400314-02
Misc : 50 B4B0066 100ul/5ml
ALS Vial : 25 Sample Multiplier: 1

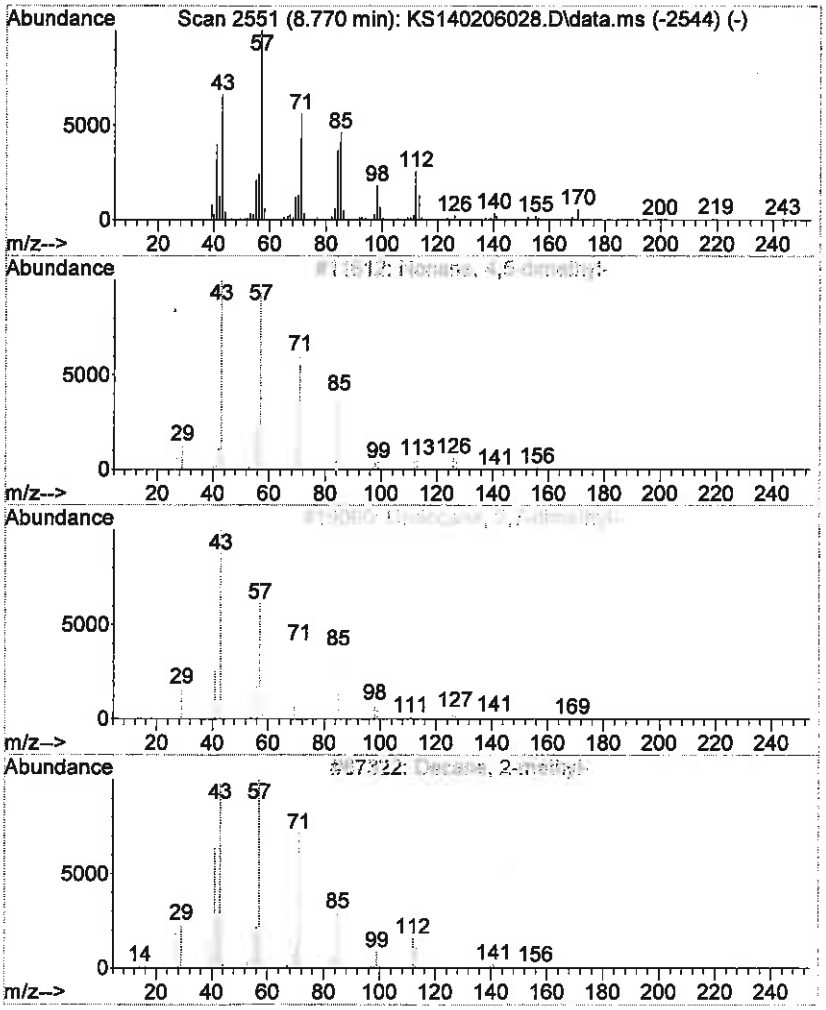
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

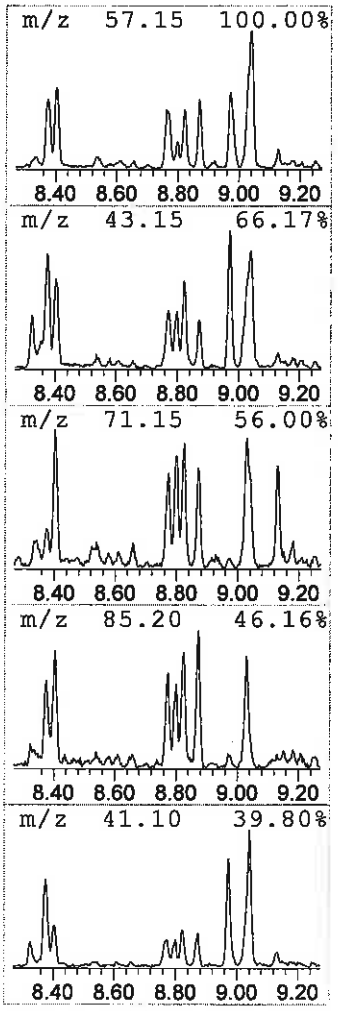
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Nonane, 4,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.770	43.54 ppb	601854	1,4-Dichlorobenzene-d4	8.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	68
2	Undecane, 2,7-dimethyl-	184	C13H28	017301-24-5	58
3	Decane, 2-methyl-	156	C11H24	006975-98-0	58
4	Dodecane	170	C12H26	000112-40-3	53
5	Dodecane	170	C12H26	000112-40-3	53





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ALS Vial : 25 Sample Multiplier: 1

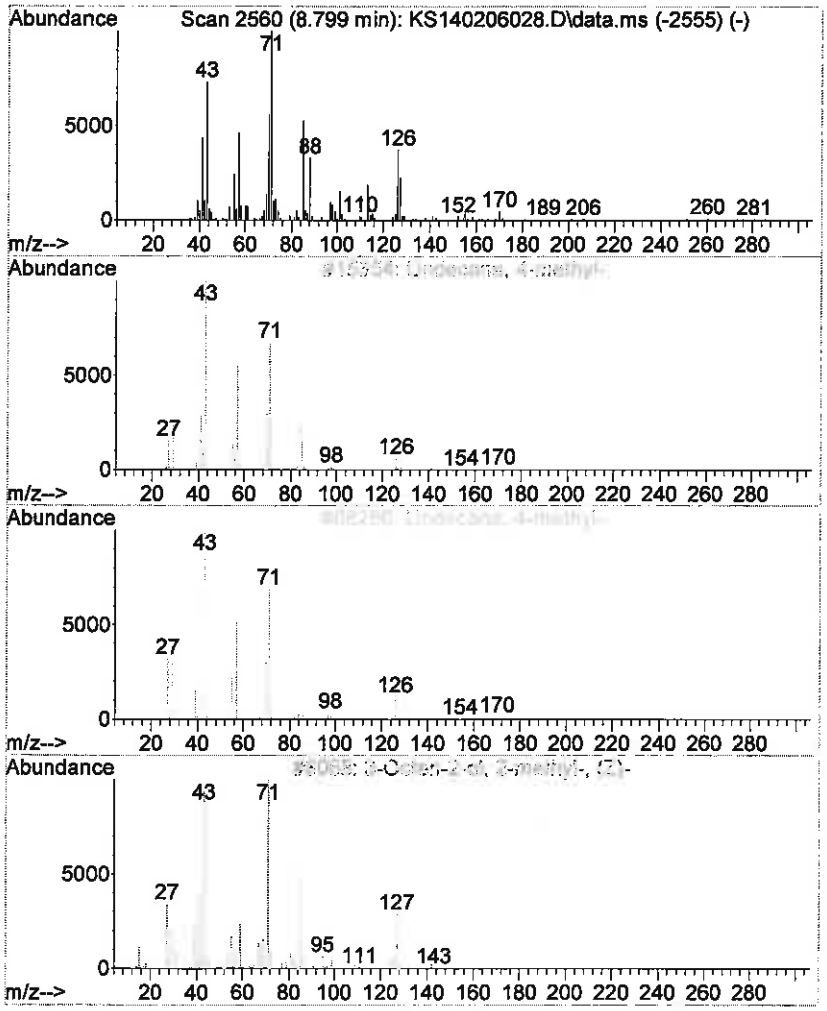
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

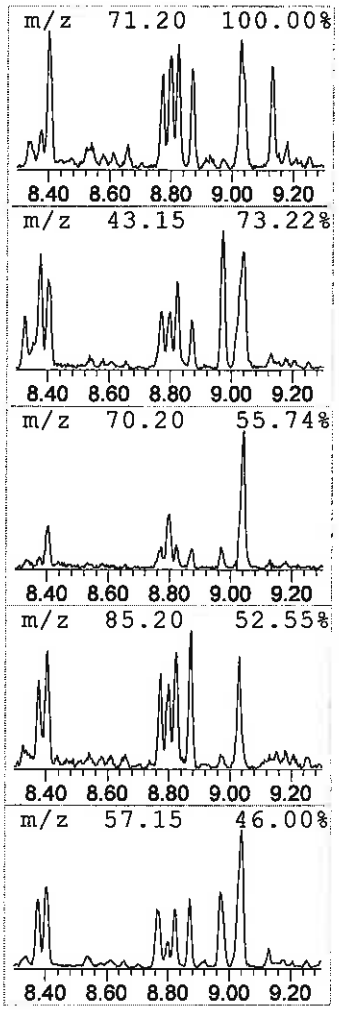
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Undecane, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.799	45.80 ppb	633127	1,4-Dichlorobenzene-d4	8.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 4-methyl-	170	C12H26	002980-69-0	70
2	Undecane, 4-methyl-	170	C12H26	002980-69-0	62
3	3-Octen-2-ol, 2-methyl-, (Z)-	142	C9H18O	018521-07-8	43
4	1,1-Dimethylpropyl 2-ethylhexanoate	214	C13H26O2	005421-13-6	38
5	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	38





Library Search Compound Report

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Misc : 50 B4B0066 100ul/5ml
ALS Vial : 25 Sample Multiplier: 1

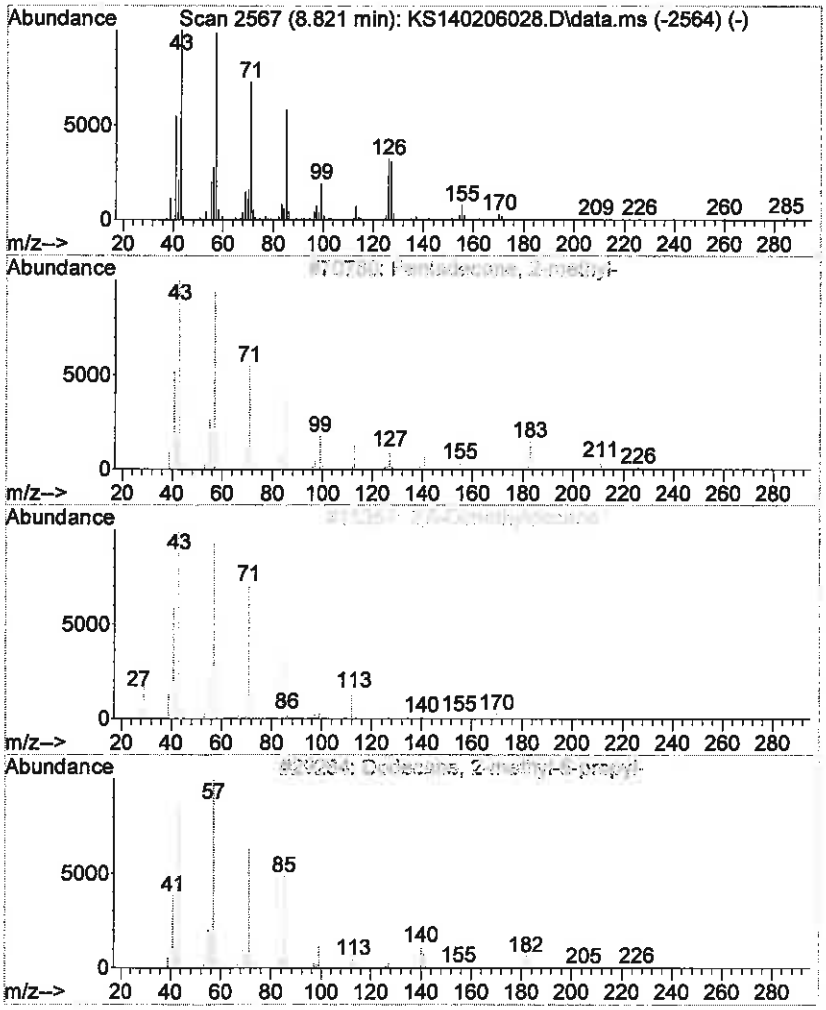
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

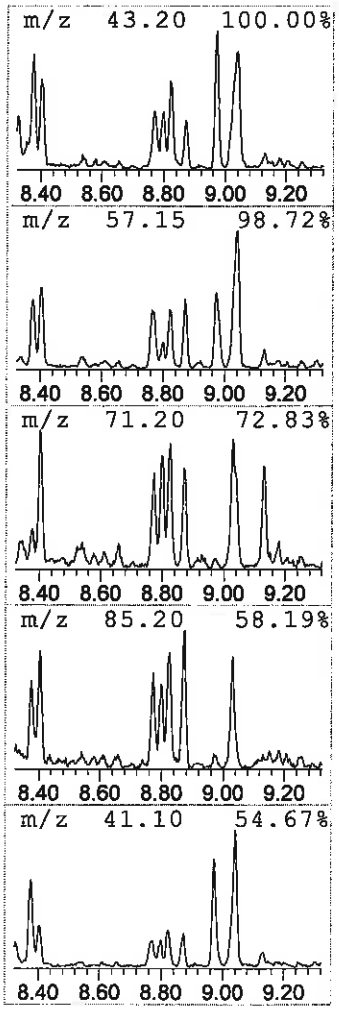
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Pentadecane, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.821	43.70 ppb	604109	1,4-Dichlorobenzene-d4	8.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2-methyl-	226	C16H34	001560-93-6	64
2	2,6-Dimethyldecane	170	C12H26	013150-81-7	60
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	60
4	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	60
5	Tridecane, 6-propyl-	226	C16H34	055045-10-8	60





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ALS Vial : 25 Sample Multiplier: 1

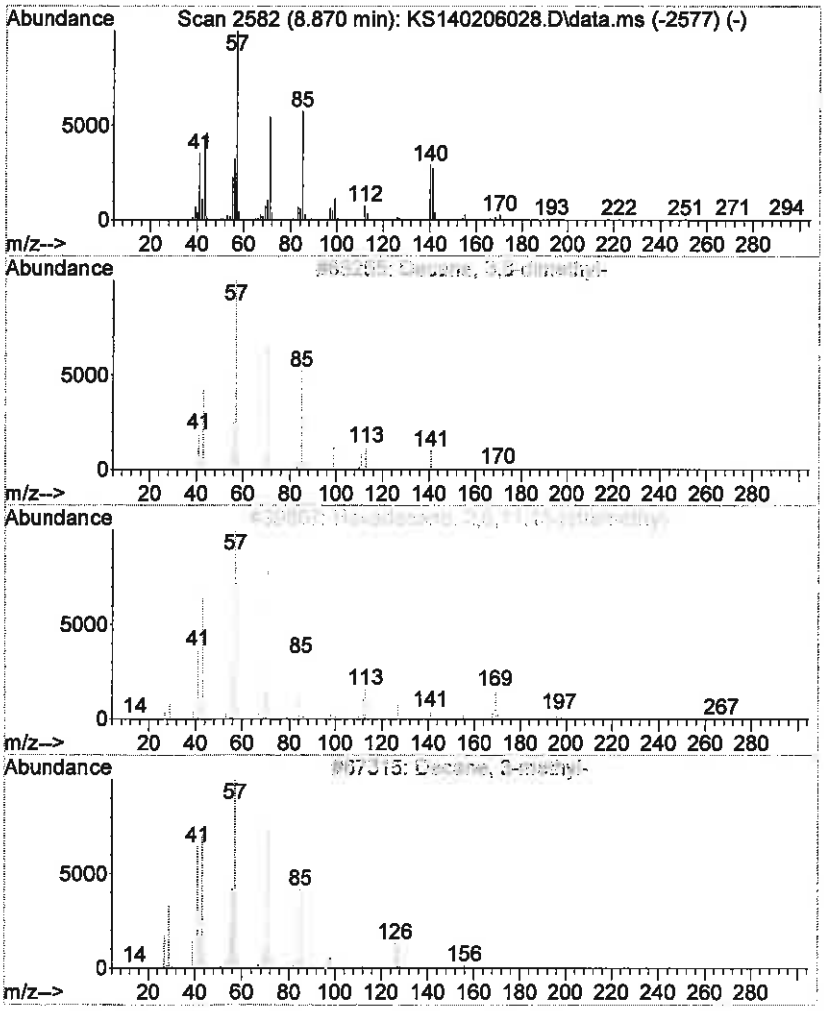
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

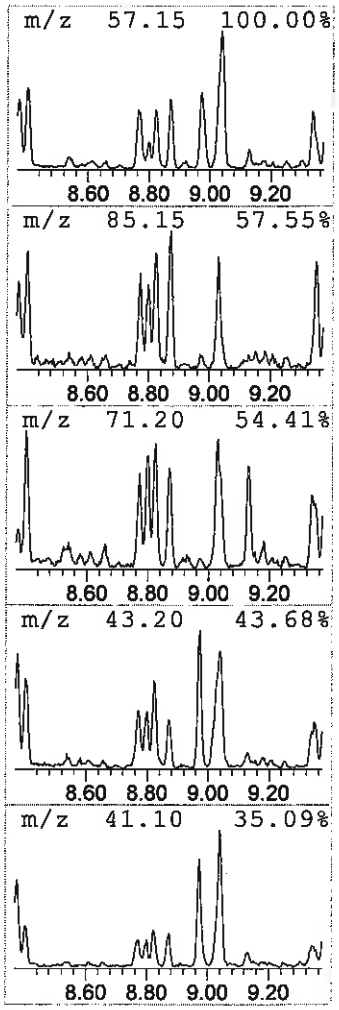
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Decane, 3,8-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.870	41.61 ppb	575268	1,4-Dichlorobenzene-d4	8.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	64
2	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	50
3	Decane, 3-methyl-	156	C11H24	013151-34-3	49
4	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	47
5	Heptadecane	240	C17H36	000629-78-7	43





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Misc : 50 B4B0066 100ul/5ml
ALS Vial : 25 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Octanoic acid, methyl ester Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.972	201.04 ppb	2779160	1,4-Dichlorobenzene-d4	8.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanoic acid, methyl ester	158	C9H18O2	000111-11-5	94
2	Octanoic acid, methyl ester	158	C9H18O2	000111-11-5	91
3	Octanoic acid, methyl ester	158	C9H18O2	000111-11-5	90
4	Octanoic acid, methyl ester	158	C9H18O2	000111-11-5	90
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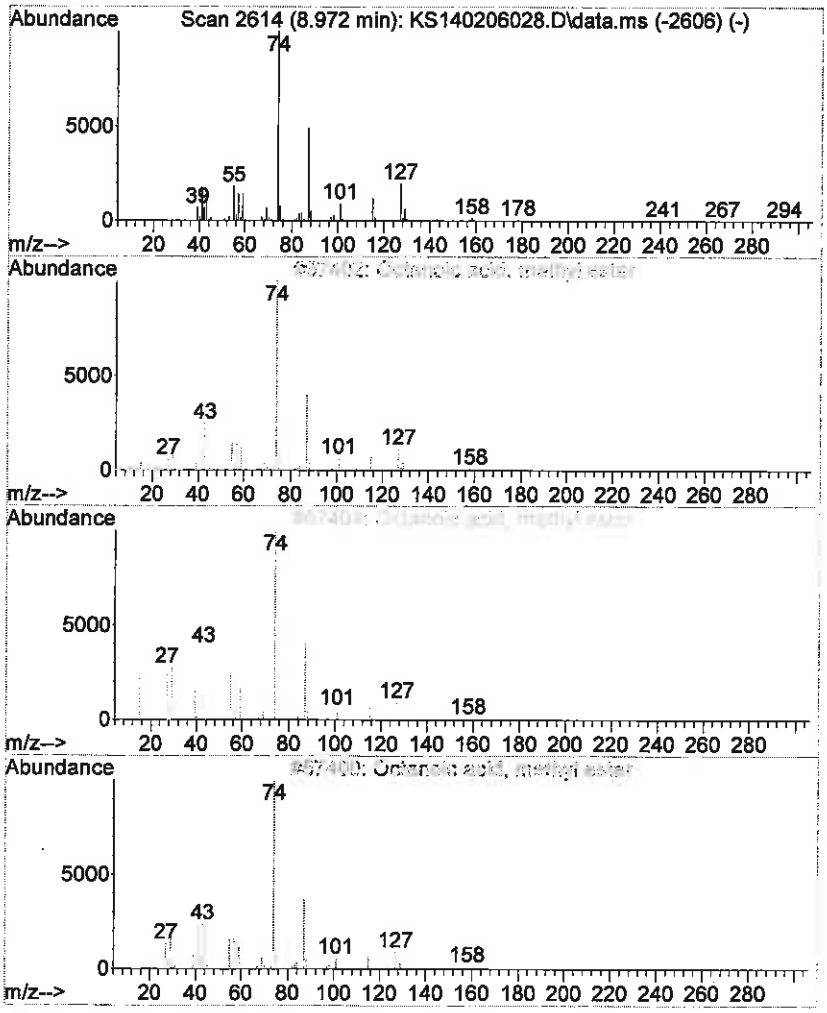

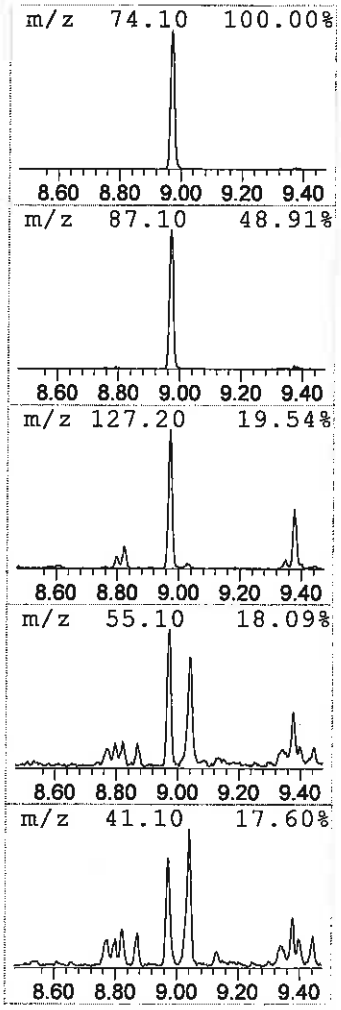

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Sample : 1400314-02
Misc : 50 B4B0066 100ul/5ml
ALS Vial : 25 Sample Multiplier: 1

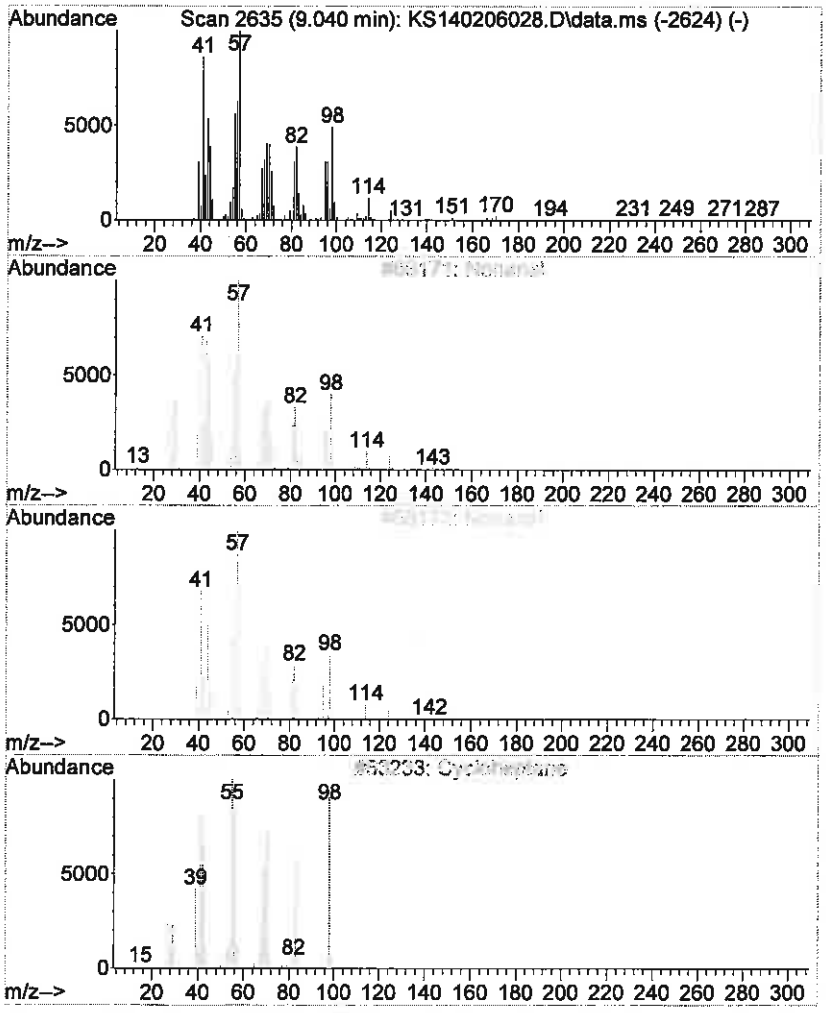
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

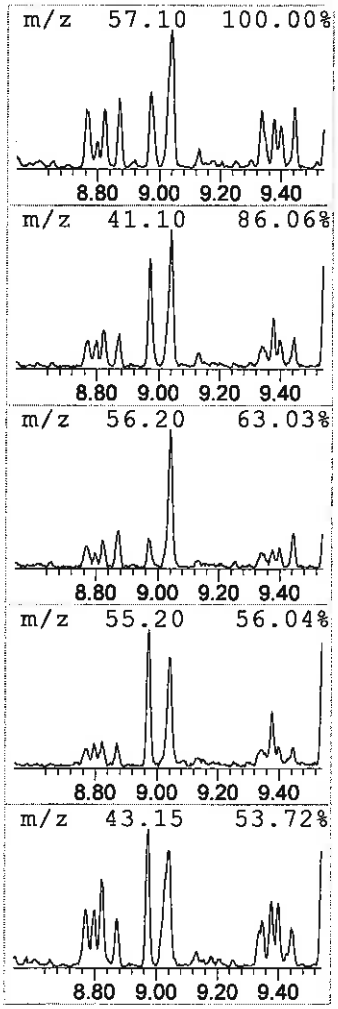
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Nonanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.040	183.52 ppb	2536980	1,4-Dichlorobenzene-d4	8.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanal	142	C9H18O	000124-19-6	89
2	Nonanal	142	C9H18O	000124-19-6	53
3	Cycloheptane	98	C7H14	000291-64-5	41
4	Cyclohexanol, methyl-	114	C7H14O	025639-42-3	30
5	2-Nonen-1-ol, (E)-	142	C9H18O	031502-14-4	27





Library Search Compound Report

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Misc : 50 B4B0066 100ul/5ml
ALS Vial : 25 Sample Multiplier: 1

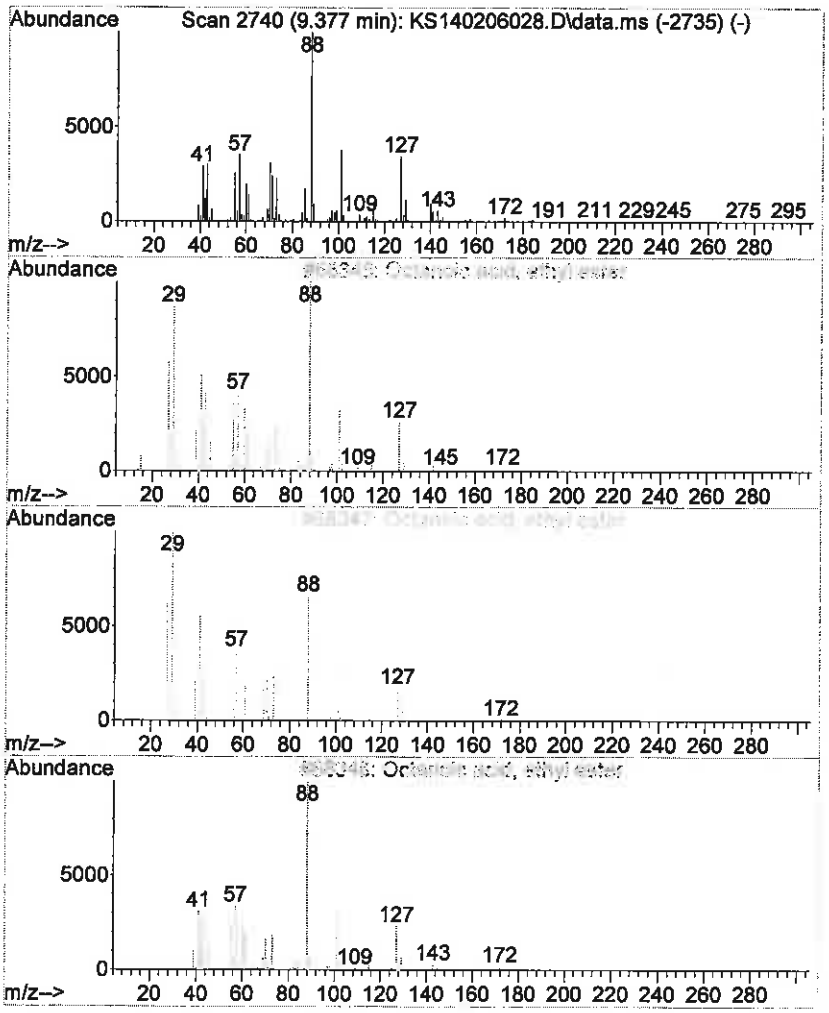
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

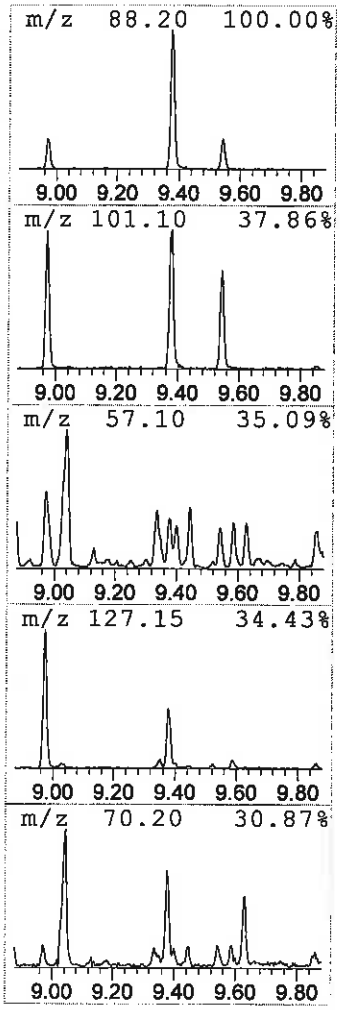
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Octanoic acid, ethyl ester Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.377	72.53 ppb	1002630	1,4-Dichlorobenzene-d4	8.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanoic acid, ethyl ester	172	C10H20O2	000106-32-1	81
2	Octanoic acid, ethyl ester	172	C10H20O2	000106-32-1	81
3	Octanoic acid, ethyl ester	172	C10H20O2	000106-32-1	62
4	Octanoic acid, ethyl ester	172	C10H20O2	000106-32-1	53
5	Decanoic acid, ethyl ester	200	C12H24O2	000110-38-3	53





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Acq On : 6 Feb 2014 5:09 pm
Operator : TP
Sample : 1400314-02
Misc : 50 B4B0066 100ul/5ml
ALS Vial : 25 Sample Multiplier: 1

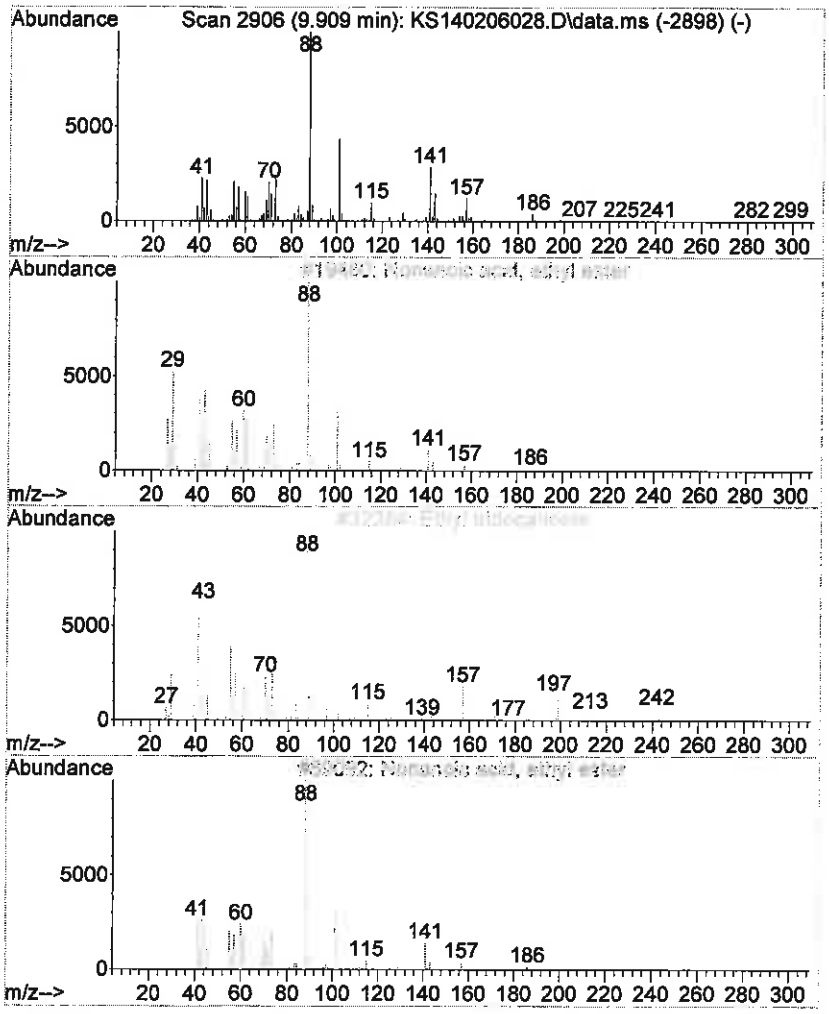
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

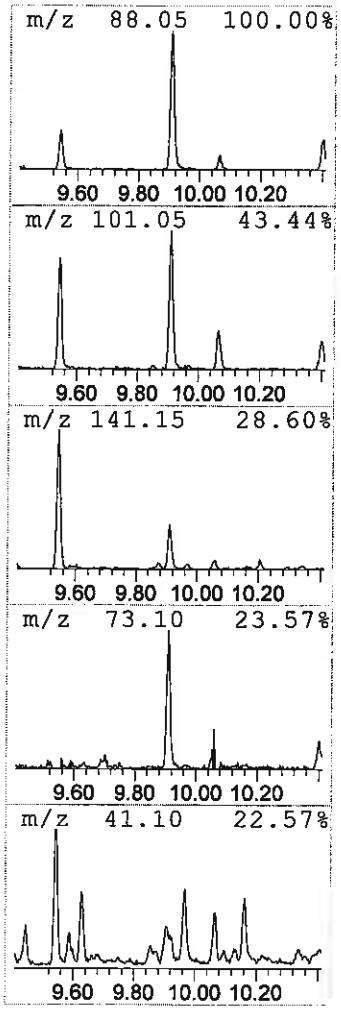
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Nonanoic acid, ethyl ester Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.909	91.45 ppb	1264300	1,4-Dichlorobenzene-d4	8.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanoic acid, ethyl ester	186	C11H22O2	000123-29-5	93
2	Ethyl tridecanoate	242	C15H30O2	028267-29-0	83
3	Nonanoic acid, ethyl ester	186	C11H22O2	000123-29-5	81
4	Nonanoic acid, ethyl ester	186	C11H22O2	000123-29-5	81
5	Tetradecanoic acid, ethyl ester	256	C16H32O2	000124-06-1	72





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ALS Vial : 25 Sample Multiplier: 1

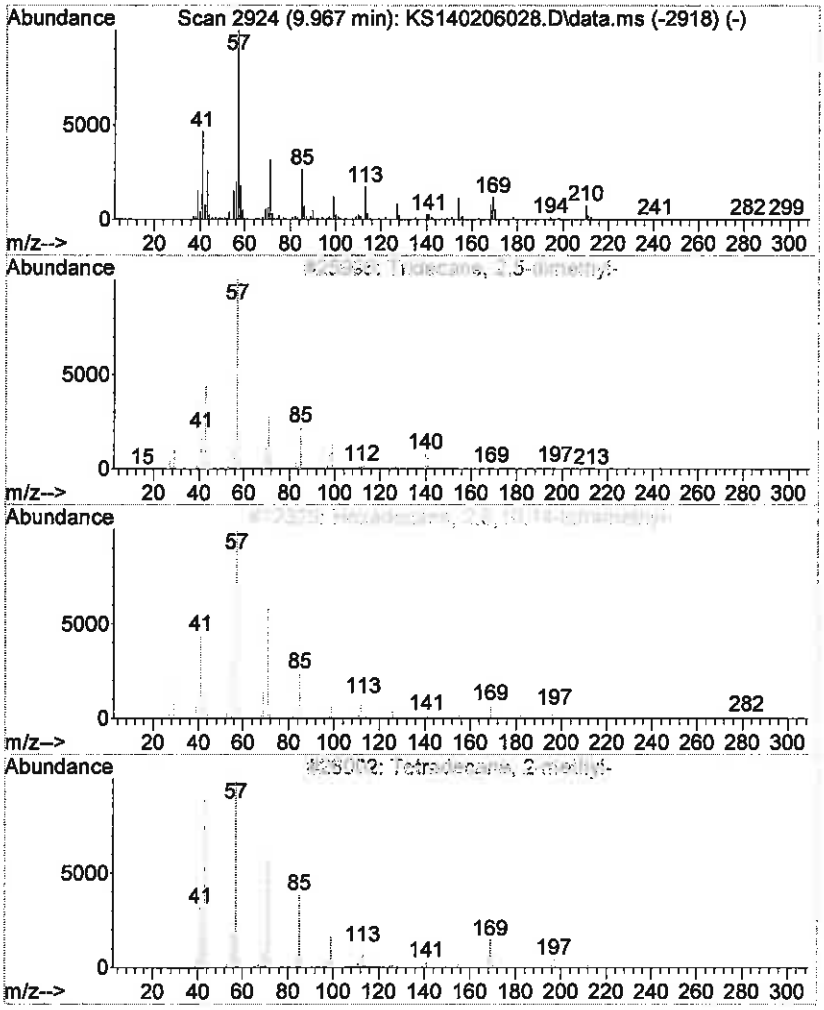
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

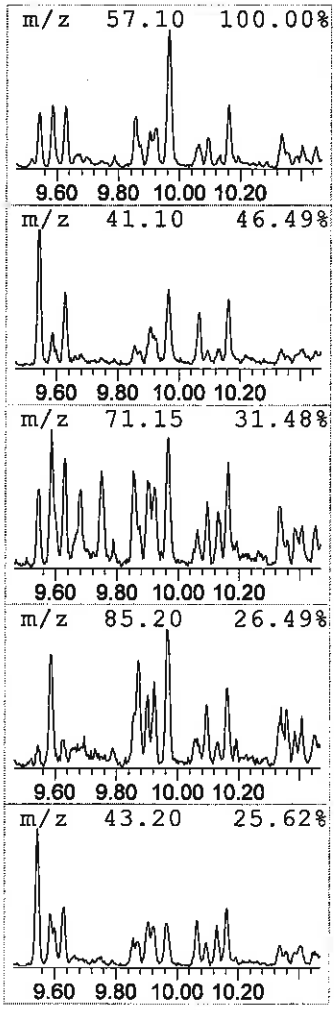
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Tridecane, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.967	62.10 ppb	858495	1,4-Dichlorobenzene-d4	8.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 2,5-dimethyl-	212	C15H32	056292-66-1	53
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	53
3	Tetradecane, 2-methyl-	212	C15H32	001560-95-8	49
4	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	47
5	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	43





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ALS Vial : 25 Sample Multiplier: 1

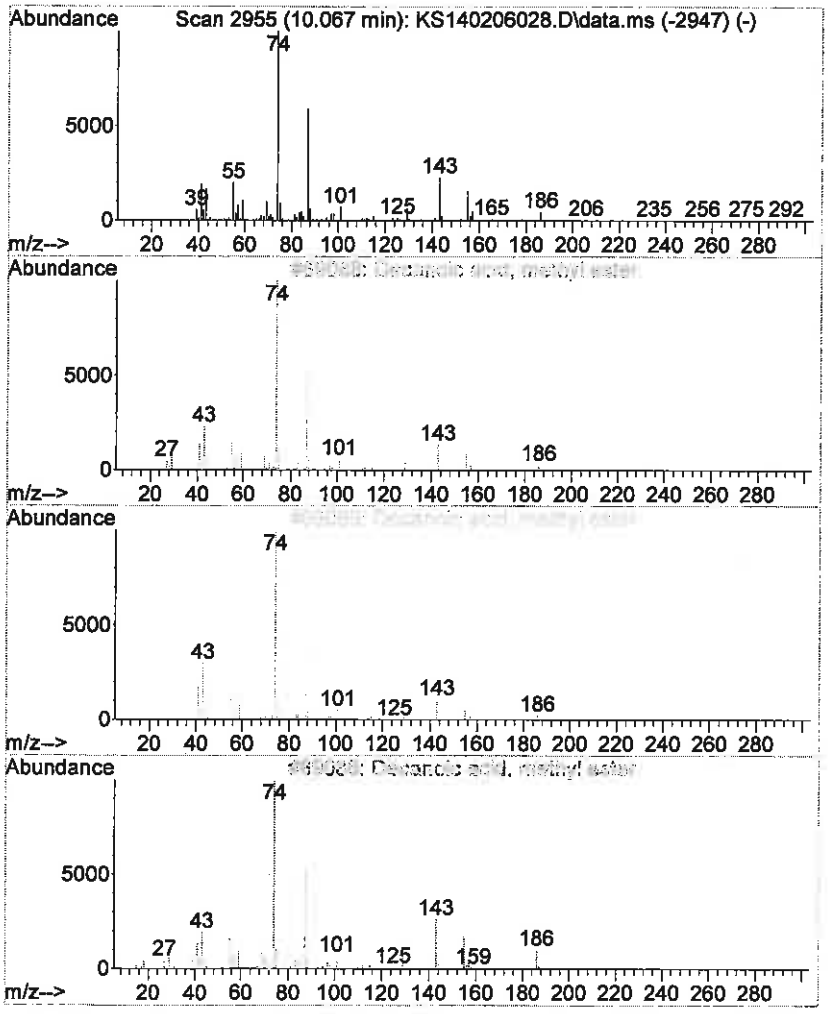
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

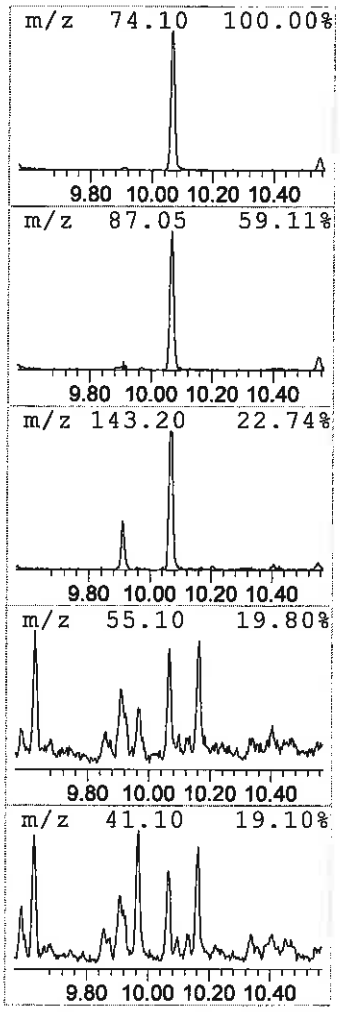
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Decanoic acid, methyl ester Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.067	78.91 ppb	1090850	1,4-Dichlorobenzene-d4	8.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	96
2	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	94
3	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	94
4	Decanoic acid, 2-methyl-	186	C11H22O2	024323-23-7	74
5	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	70





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ALS Vial : 25 Sample Multiplier: 1

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Quant Title : VOC 8260B Advanced Technology Laboratory

TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

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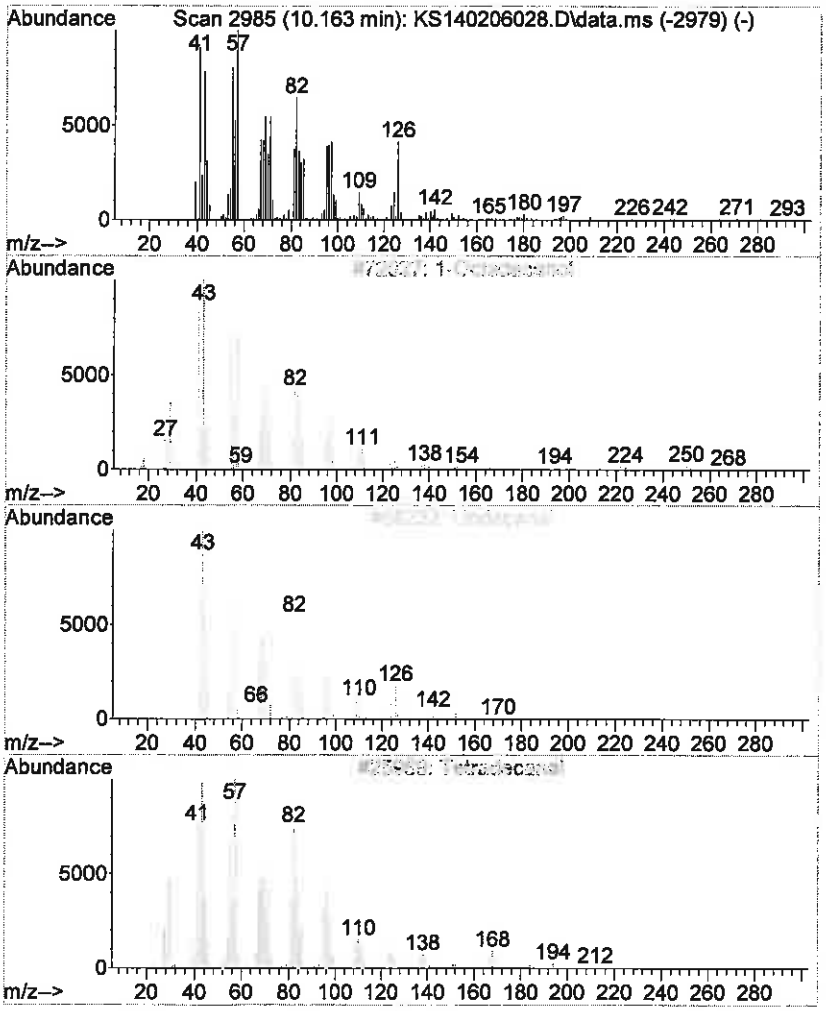
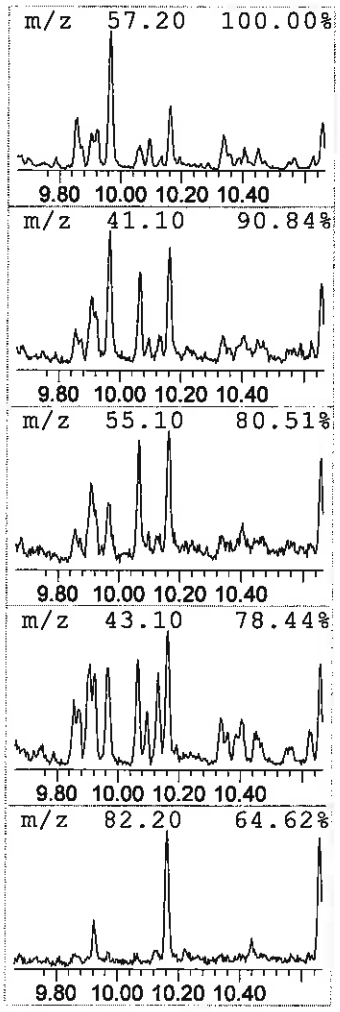
Peak Number 18 1-Octadecanol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.163	66.61 ppb	920821	1,4-Dichlorobenzene-d4	8.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecanol	270	C18H38O	000112-92-5	72
2	Undecanal	170	C11H22O	000112-44-7	64
3	Tetradecanal	212	C14H28O	000124-25-4	58
4	Oxirane, decyl-	184	C12H24O	002855-19-8	53
5	1,14-Tetradecanediol	230	C14H30O2	019812-64-7	38





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ALS Vial : 25 Sample Multiplier: 1

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Quant Title : VOC 8260B Advanced Technology Laboratory

TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

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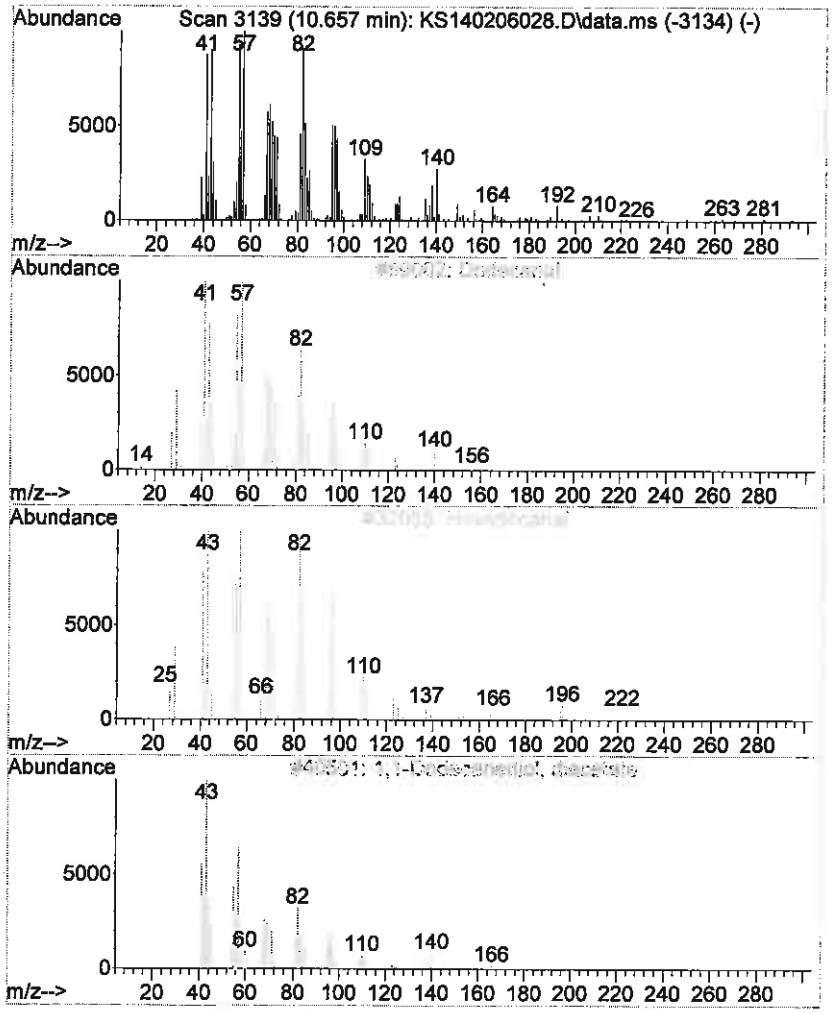
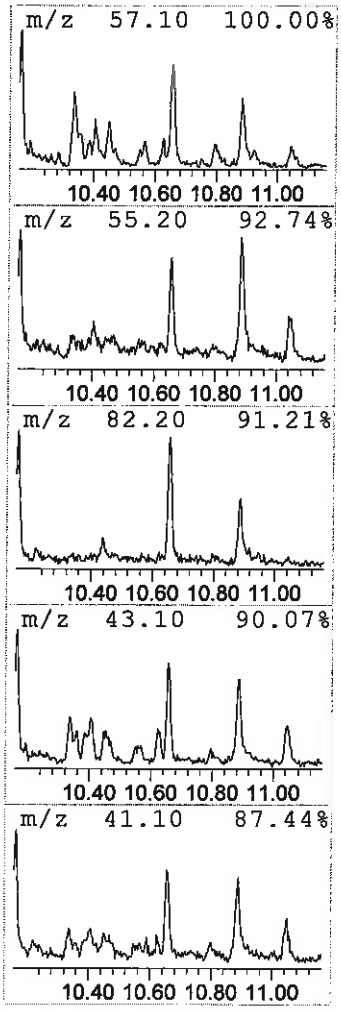
Peak Number 19 Dodecanal Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.657	53.85 ppb	744400	1,4-Dichlorobenzene-d4	8.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecanal	184	C12H24O	000112-54-9	91
2	Hexadecanal	240	C16H32O	000629-80-1	87
3	1,1-Dodecanediol, diacetate	286	C16H30O4	056438-07-4	83
4	Hexadecanol	242	C16H34O	029354-98-1	83
5	1-Pentadecene	210	C15H30	013360-61-7	78





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Acq On : 6 Feb 2014 5:09 pm
Operator : TP
Sample : 1400314-02
Misc : 50 B4B0066 100ul/5ml
ALS Vial : 25 Sample Multiplier: 1

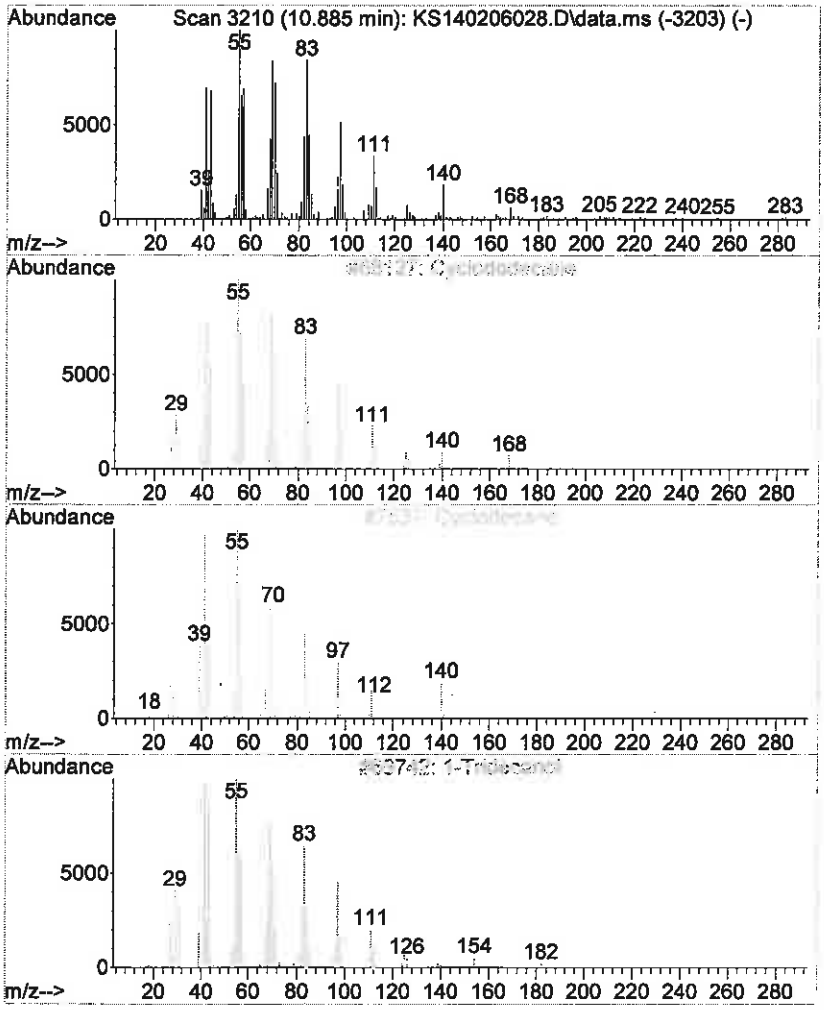
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

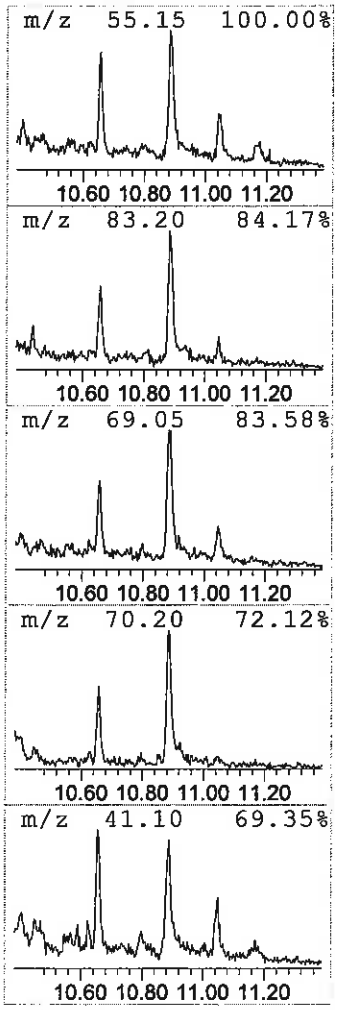
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Cyclododecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.885	49.11 ppb	678915	1,4-Dichlorobenzene-d4	8.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclododecane	168	C12H24	000294-62-2	94
2	Cyclodecane	140	C10H20	000293-96-9	92
3	1-Tridecanol	200	C13H28O	000112-70-9	91
4	1-Dodecanol	186	C12H26O	000112-53-8	91
5	Cyclododecane	168	C12H24	000294-62-2	89

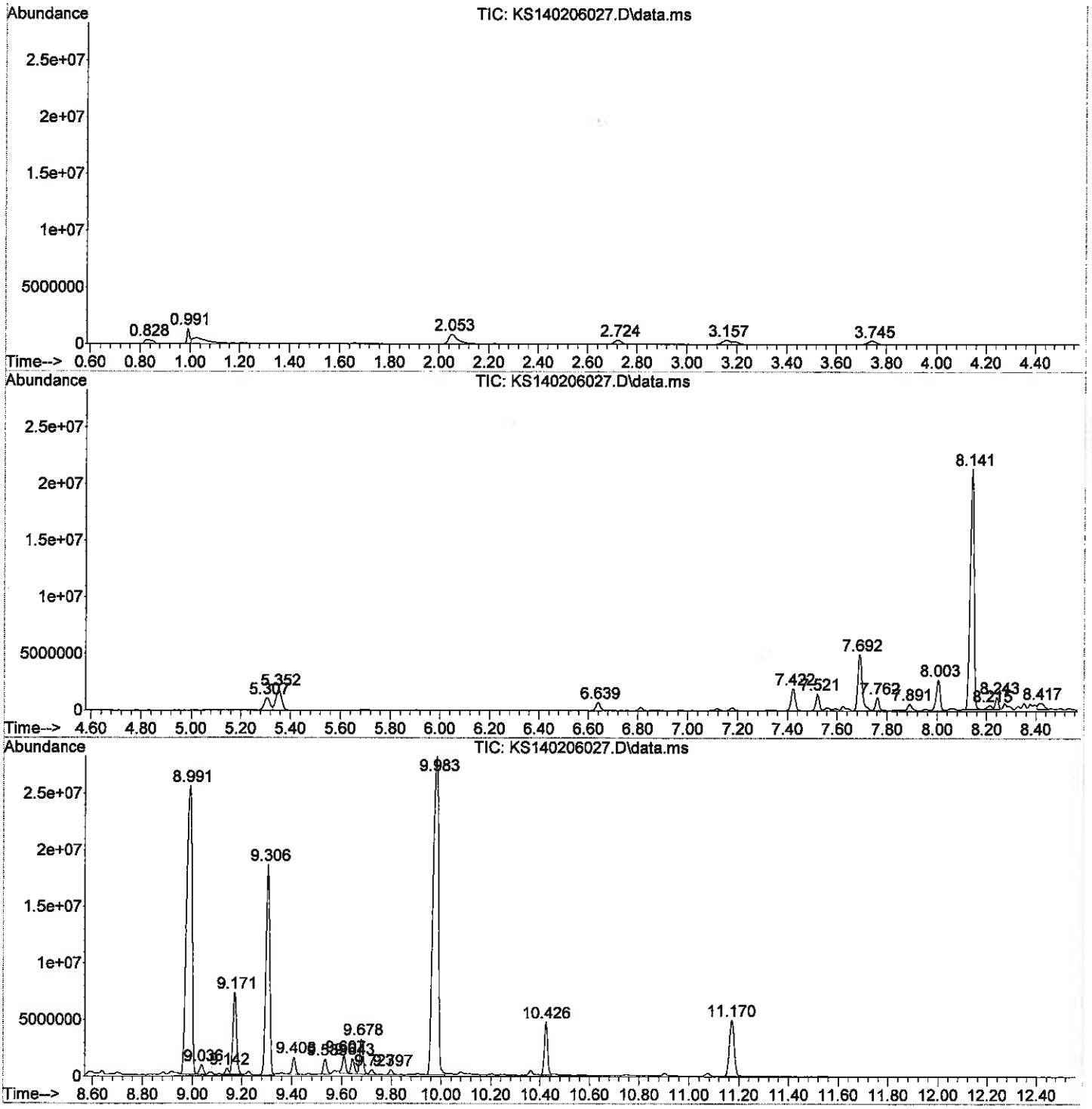




Data Path : D:\msddata\data\K140206\
Data File : KS140206027.D
Acq On : 6 Feb 2014 4:51 pm
Operator : TP
Sample : 1400314-03
Misc : 50 B4B0066 100ul/5ml
ALS Vial : 24 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

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Misc : 50 B4B0066 100ul/5ml
ALS Vial : 24 Sample Multiplier: 1

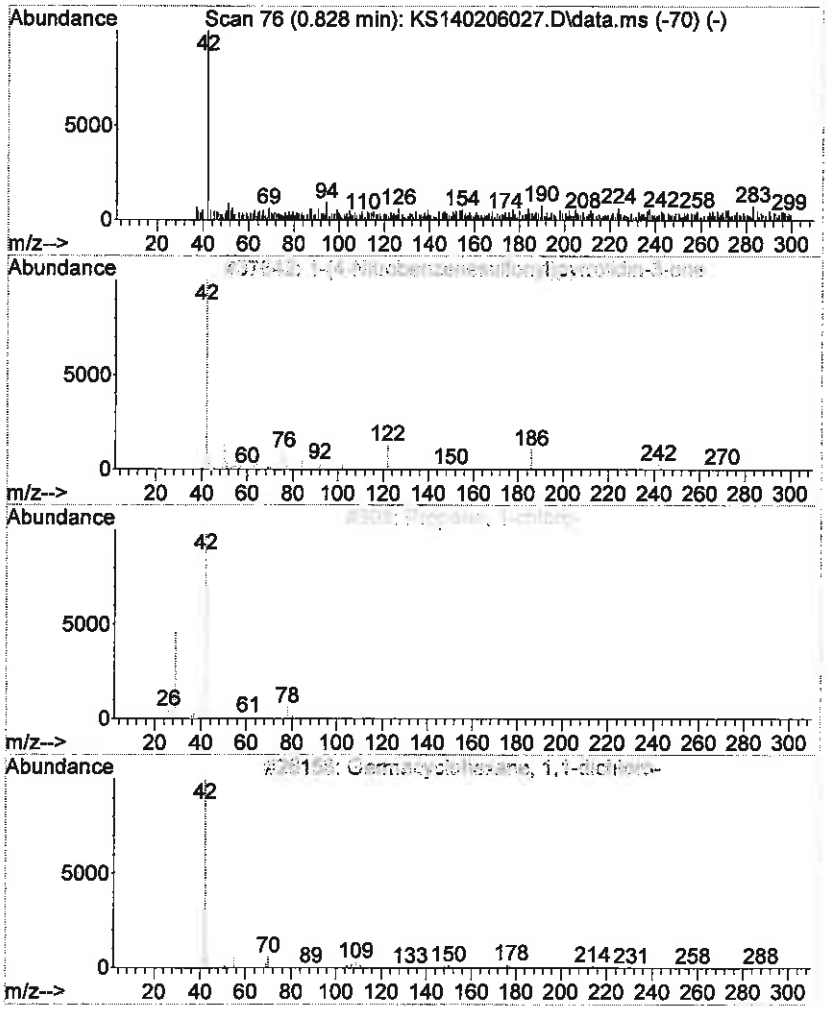
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 1-(4-Nitrobenzenesulfonyl)p... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
0.828	50.11 ppb	776265	Pentafluorobenzene	3.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(4-Nitrobenzenesulfonyl)pyrrol...	270	C10H10N2O5S	083133-04-4	43
2	Propane, 1-chloro-	78	C3H7Cl	000540-54-5	25
3	Germacyclohexane, 1,1-dichloro-	214	C5H10Cl2Ge	056438-28-9	25
4	2-Butanone, oxime	87	C4H9NO	000096-29-7	25
5	2,4-Imidazolidinedione, 5-methyl-	114	C4H6N2O2	000616-03-5	25



Library Search Compound Report

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Misc : 50 B4B0066 100ul/5ml
ALS Vial : 24 Sample Multiplier: 1

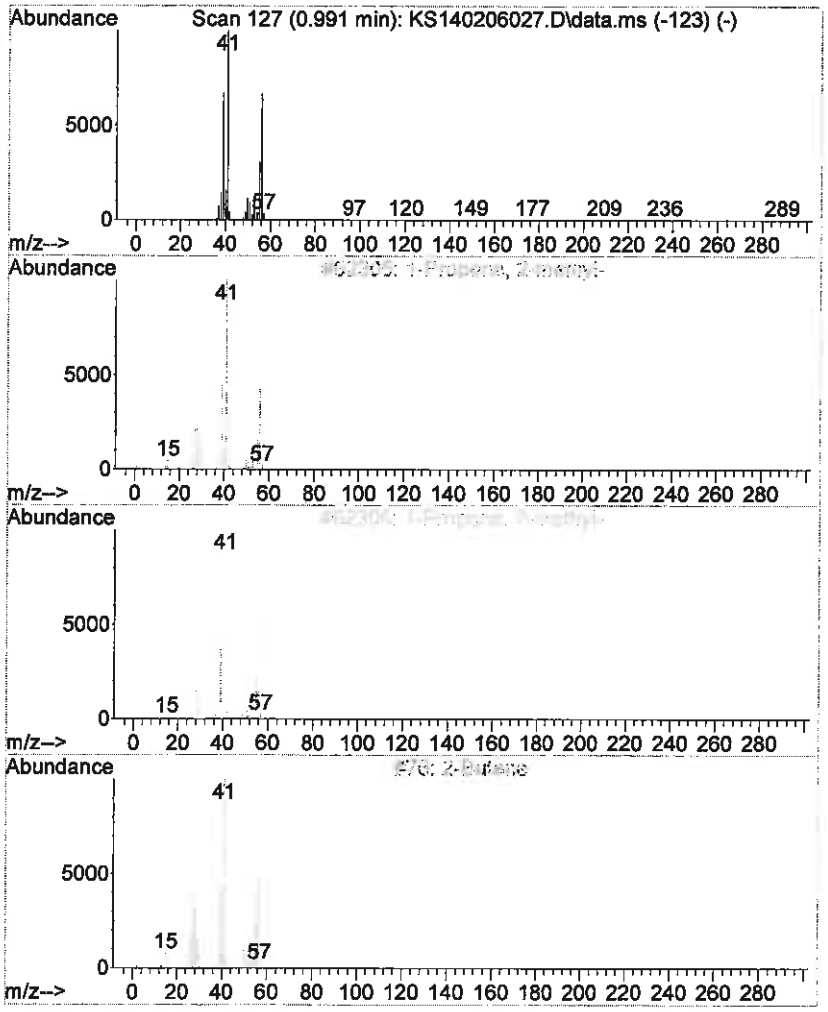
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

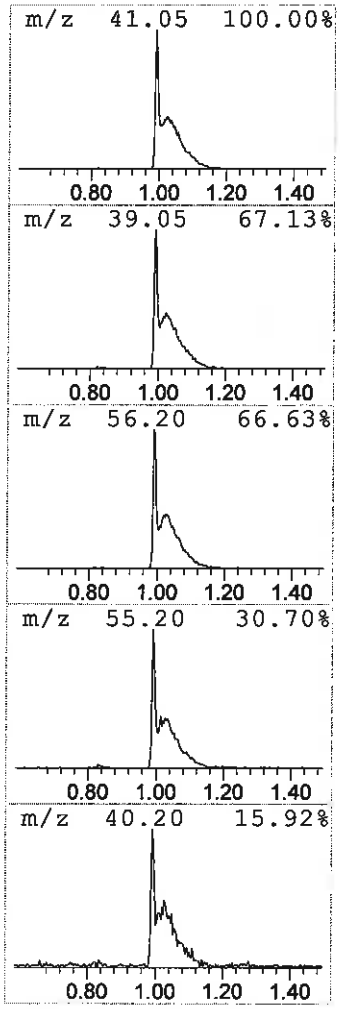
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 1-Propene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
0.991	59.52 ppb	922061	Pentafluorobenzene	3.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	64
2	1-Propene, 2-methyl-	56	C4H8	000115-11-7	58
3	2-Butene	56	C4H8	000107-01-7	53
4	1-Propene, 2-methyl-	56	C4H8	000115-11-7	53
5	1-Butene	56	C4H8	000106-98-9	52





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Acq On : 6 Feb 2014 4:51 pm
Operator : TP
Sample : 1400314-03
Misc : 50 B4B0066 100ul/5ml
ALS Vial : 24 Sample Multiplier: 1

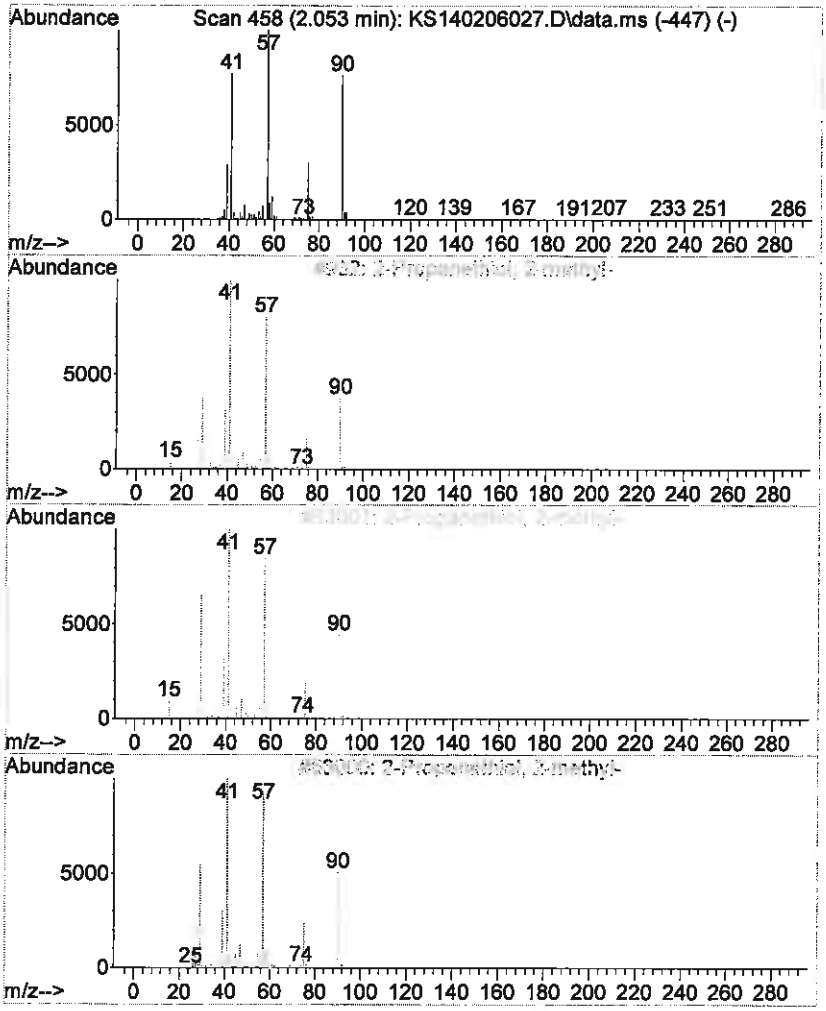
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

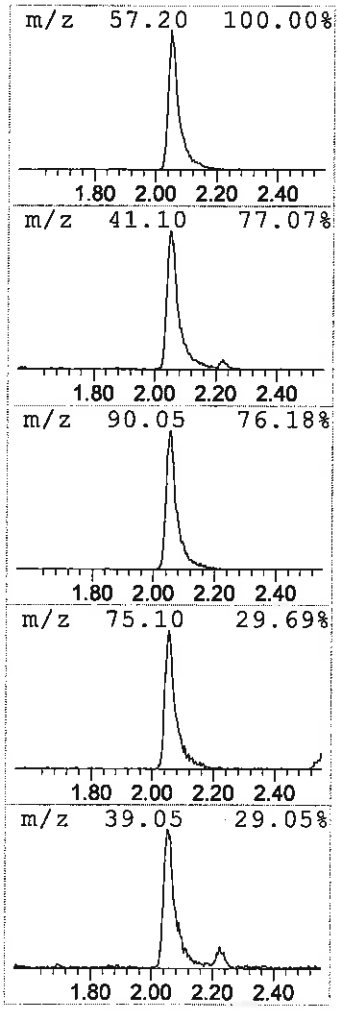
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2-Propanethiol, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.053	134.24 ppb	2079700	Pentafluorobenzene	3.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanethiol, 2-methyl-	90	C4H10S	000075-66-1	91
2	2-Propanethiol, 2-methyl-	90	C4H10S	000075-66-1	91
3	2-Propanethiol, 2-methyl-	90	C4H10S	000075-66-1	91
4	Thiourea, methyl-	90	C2H6N2S	000598-52-7	9
5	Pentanethioic acid, O-methyl ester	132	C6H12OS	055283-58-4	9





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Data File : KS140206027.D
Acq On : 6 Feb 2014 4:51 pm
Operator : TP
Sample : 1400314-03
Misc : 50 B4B0066 100ul/5ml
ALS Vial : 24 Sample Multiplier: 1

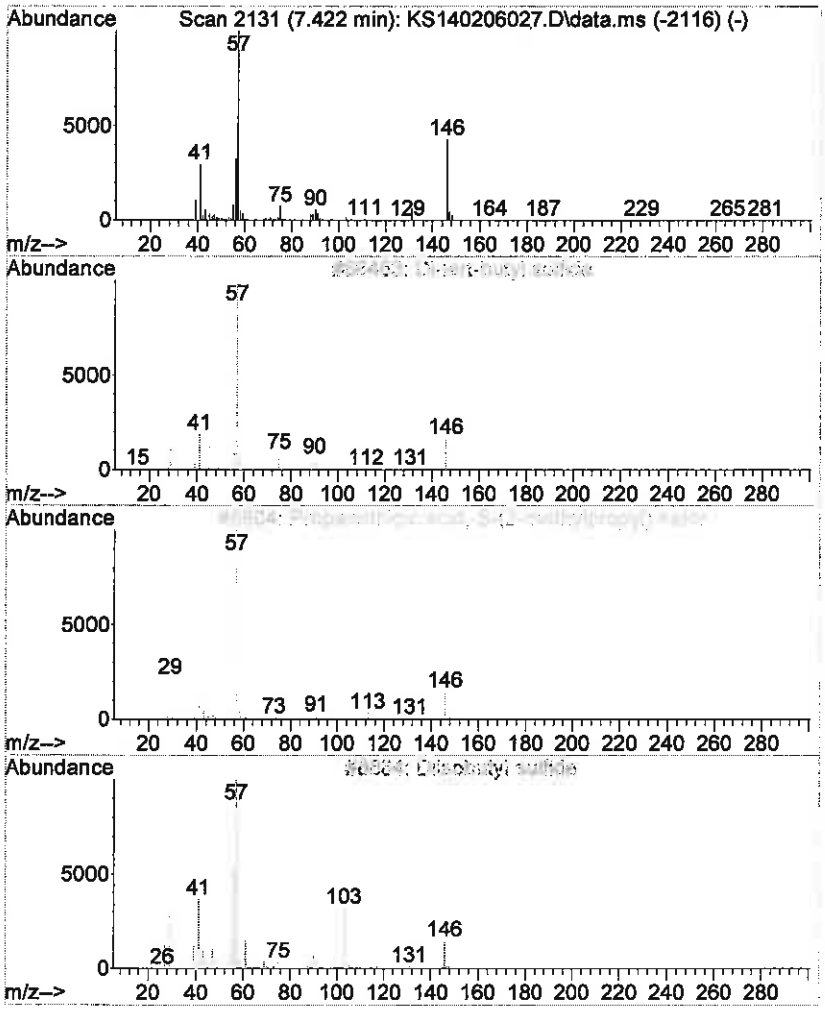
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

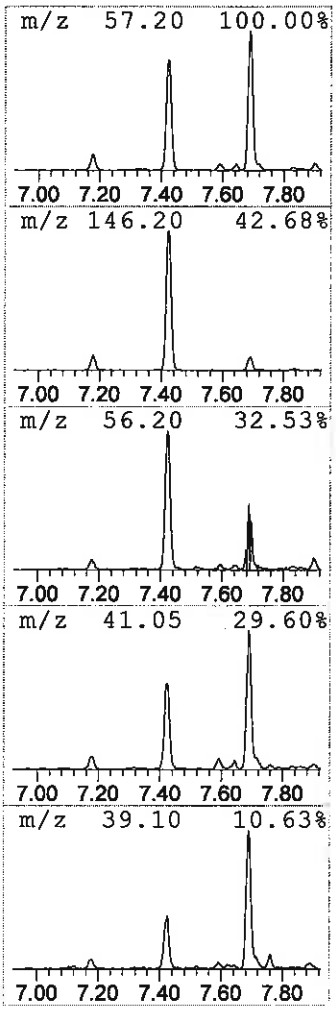
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Di-tert-butyl sulfide Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.422	135.38 ppb	2309630	Chlorobenzene-d5	6.639

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Di-tert-butyl sulfide	146	C8H18S	000107-47-1	72
2	Propanethioic acid, S-(2-methylp...	146	C7H14OS	002432-48-6	50
3	Diisobutyl sulfide	146	C8H18S	000592-65-4	50
4	Di-tert-butyl sulfide	146	C8H18S	000107-47-1	25
5	Di-tert-butyl sulfide	146	C8H18S	000107-47-1	25





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Acq On : 6 Feb 2014 4:51 pm
Operator : TP
Sample : 1400314-03
Misc : 50 B4B0066 100ul/5ml
ALS Vial : 24 Sample Multiplier: 1

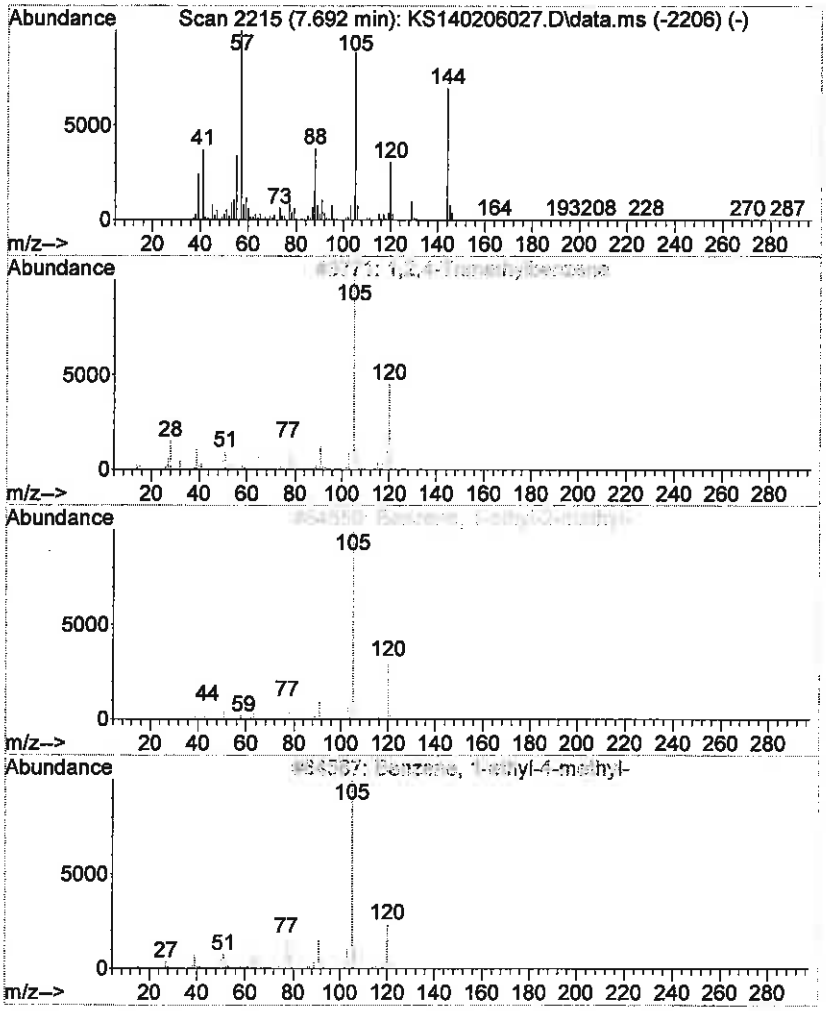
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

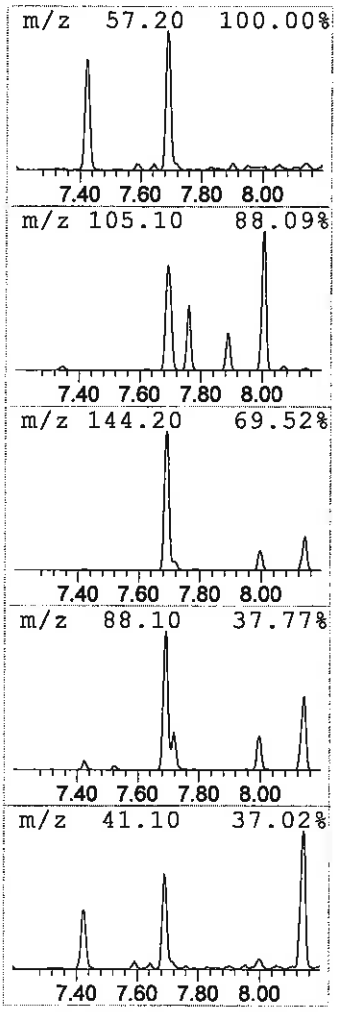
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 1,2,4-Trimethylbenzene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.692	341.84 ppb	6062680	1,4-Dichlorobenzene-d4	8.243

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4-Trimethylbenzene	120	C9H12	000095-36-3	25
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	25
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	25
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	25
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	25





Data Path : D:\msddata\data\K140206\
Data File : KS140206027.D
Acq On : 6 Feb 2014 4:51 pm
Operator : TP
Sample : 1400314-03
Misc : 50 B4B0066 100ul/5ml
ALS Vial : 24 Sample Multiplier: 1

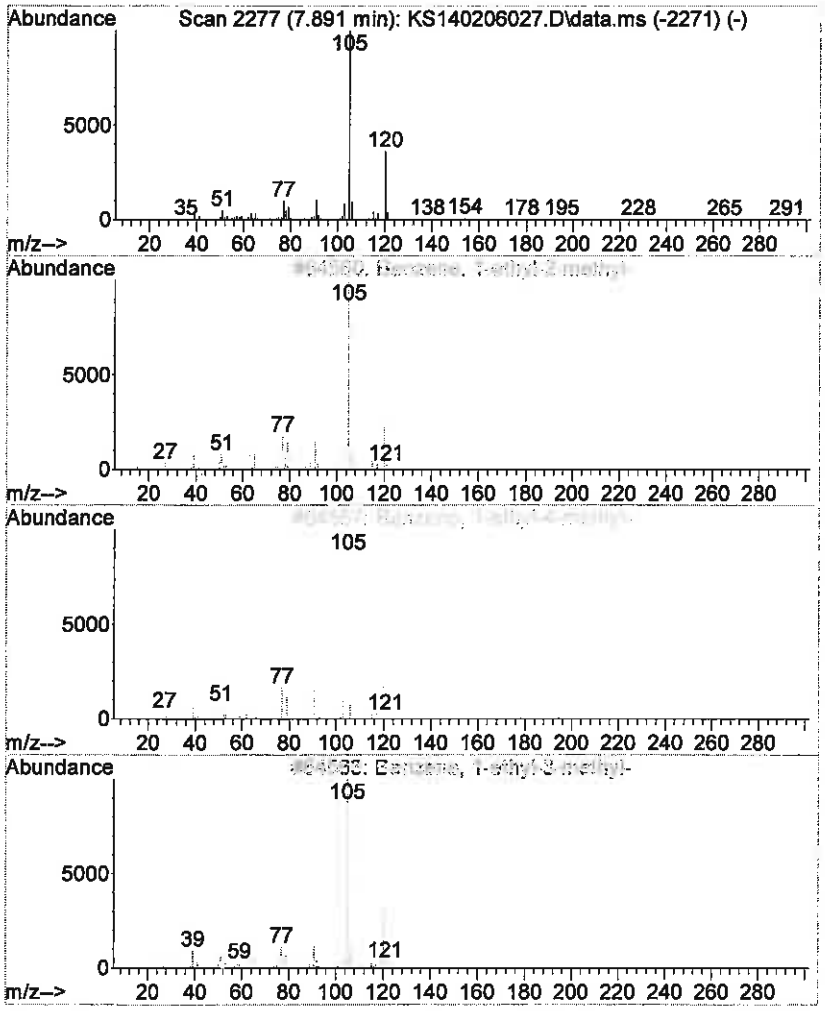
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

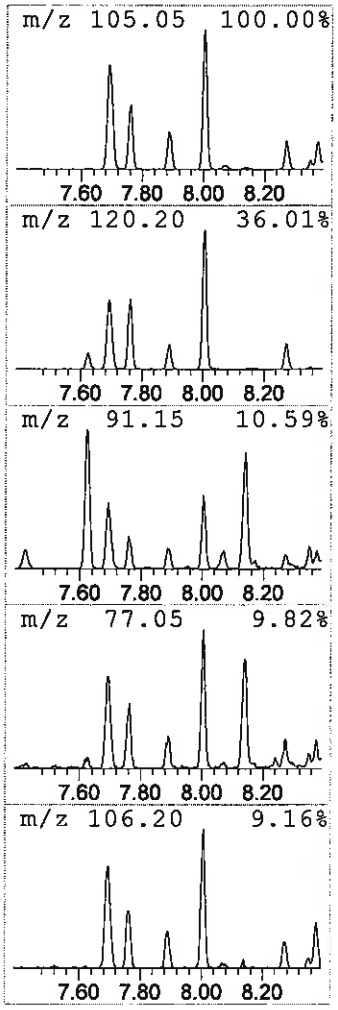
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 1-ethyl-2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.891	38.80 ppb	688211	1,4-Dichlorobenzene-d4	8.243

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





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Data File : KS140206027.D
Acq On : 6 Feb 2014 4:51 pm
Operator : TP
Sample : 1400314-03
Misc : 50 B4B0066 100ul/5ml
ALS Vial : 24 Sample Multiplier: 1

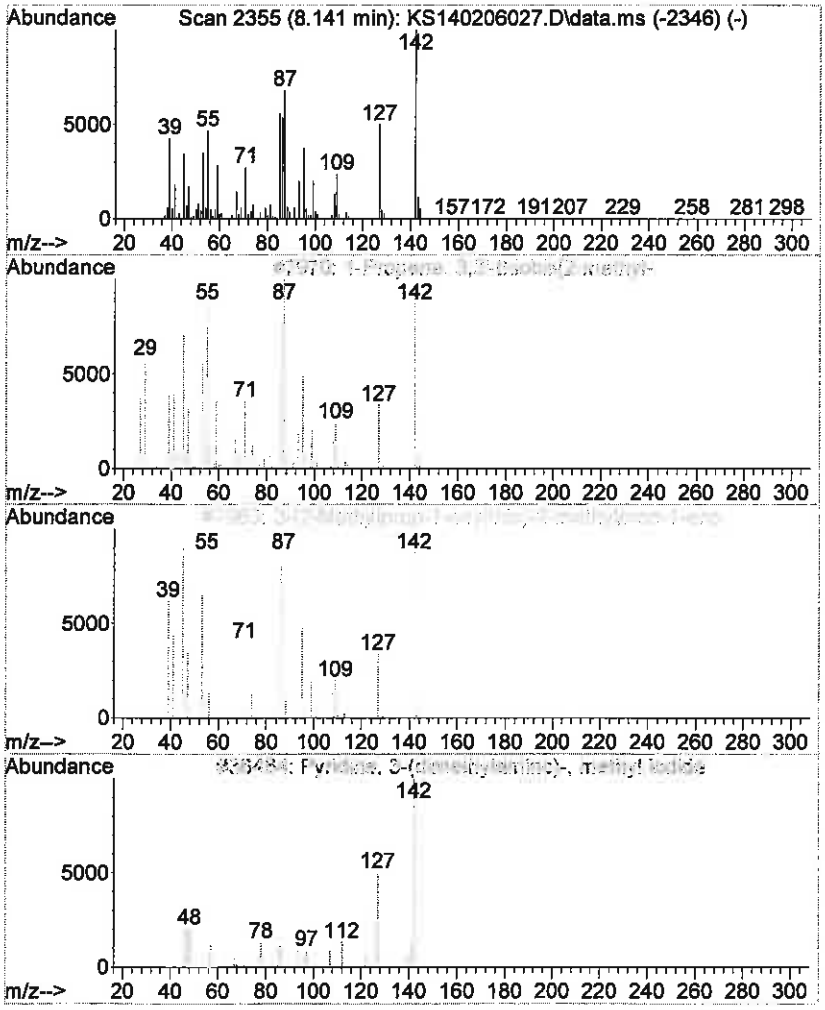
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

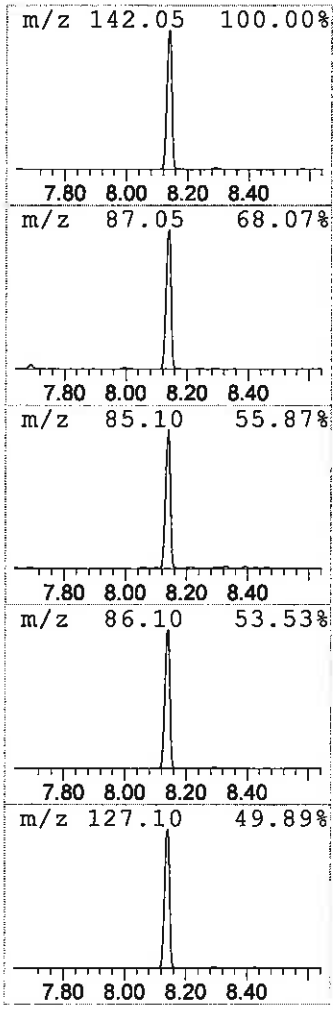
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1-Propene, 3,3'-thiobis[2-m... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.141	1292.46 ppb	22922600	1,4-Dichlorobenzene-d4	8.243

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 3,3'-thiobis[2-methyl-	142	C8H14S	023973-54-8	96
2	3-(2-Methylprop-1-enylthio)-2-me...	142	C8H14S	000000-00-0	90
3	Pyridine, 3-(dimethylamino)-, me...	264	C8H13IN2	033681-35-5	17
4	Benzo[b]thiophene, octahydro-, t...	142	C8H14S	054004-35-2	12
5	Silane, ethenylethyldimethyl-	114	C6H14Si	018163-06-9	11





Library Search Compound Report

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Data File : KS140206027.D
Acq On : 6 Feb 2014 4:51 pm
Operator : TP
Sample : 1400314-03
Misc : 50 B4B0066 100ul/5ml
ALS Vial : 24 Sample Multiplier: 1

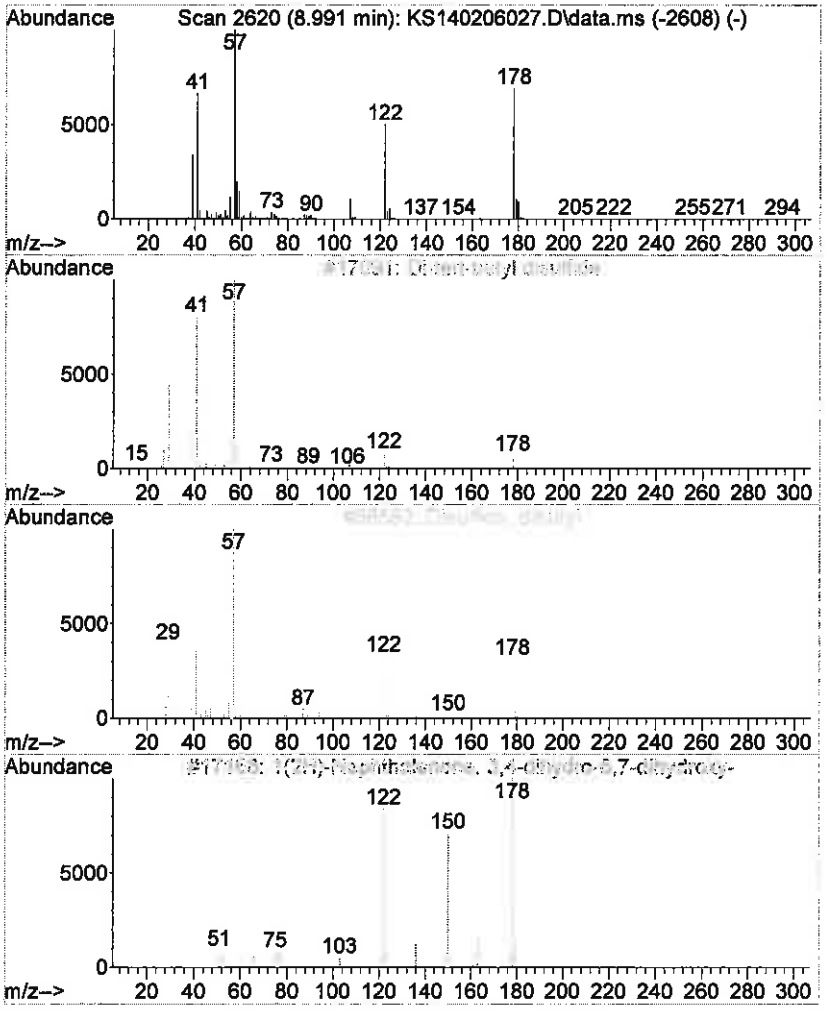
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

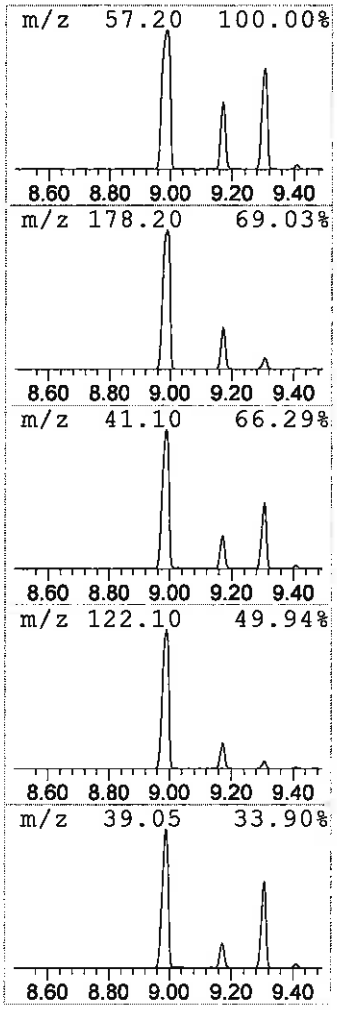
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Di-tert-butyl disulfide Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.991	2144.21 ppb	38029000	1,4-Dichlorobenzene-d4	8.243

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Di-tert-butyl disulfide	178	C8H18S2	000110-06-5	53
2	Disulfide, dibutyl	178	C8H18S2	000629-45-8	40
3	1(2H)-Naphthalenone, 3,4-dihydro...	178	C10H10O3	054549-75-6	37
4	Di-tert-butyl disulfide	178	C8H18S2	000110-06-5	27
5	Benzene, 1,2-dimethoxy-4-(2-prop...	178	C11H14O2	000093-15-2	12





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Acq On : 6 Feb 2014 4:51 pm
Operator : TP
Sample : 1400314-03
Misc : 50 B4B0066 100ul/5ml
ALS Vial : 24 Sample Multiplier: 1

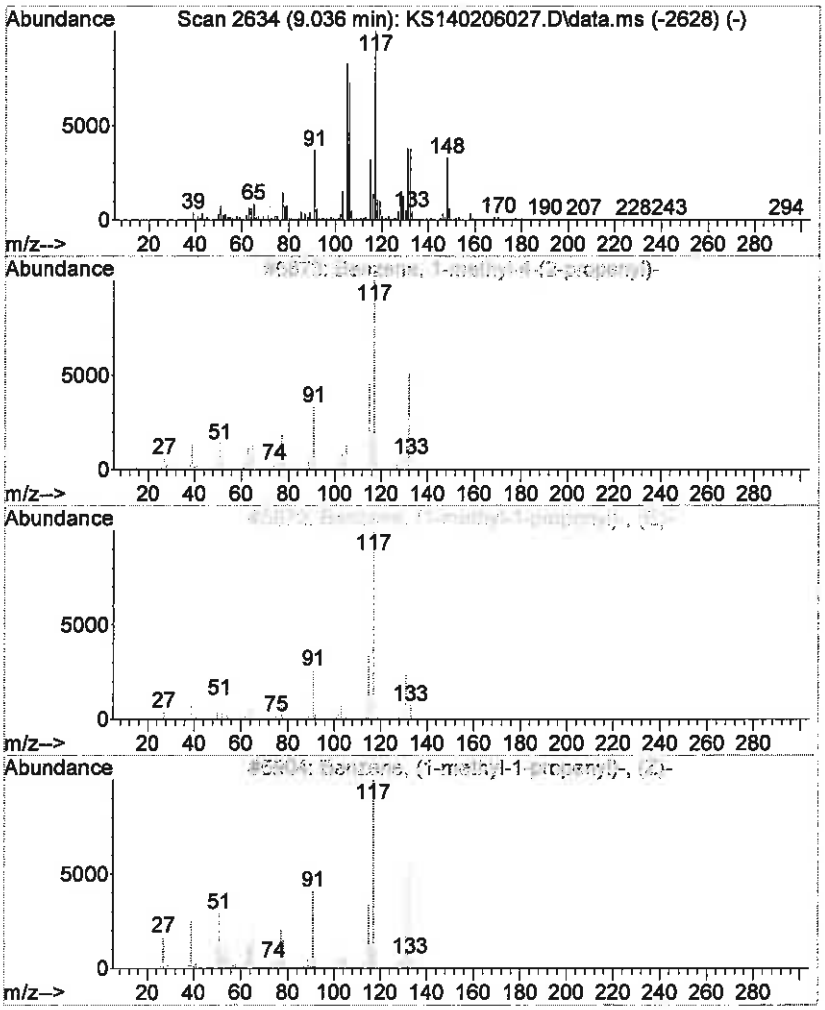
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

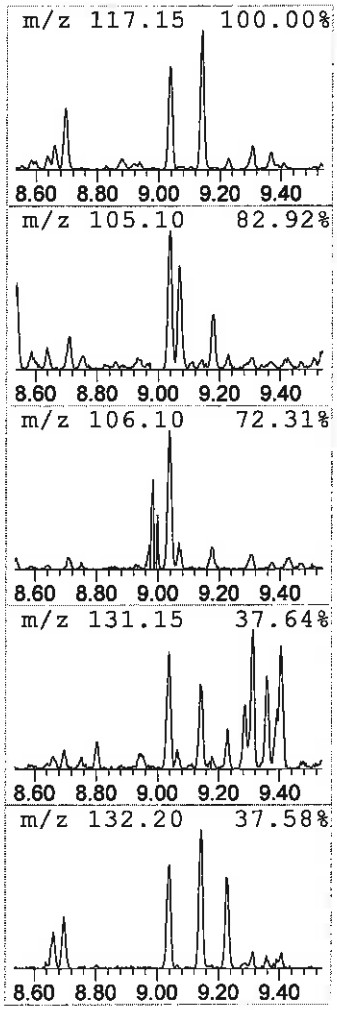
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1-methyl-4-(2-prop... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.036	51.52 ppb	913813	1,4-Dichlorobenzene-d4	8.243

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	64
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	60
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	60
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	60
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	53





Library Search Compound Report

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Misc : 50 B4B0066 100ul/5ml
ALS Vial : 24 Sample Multiplier: 1

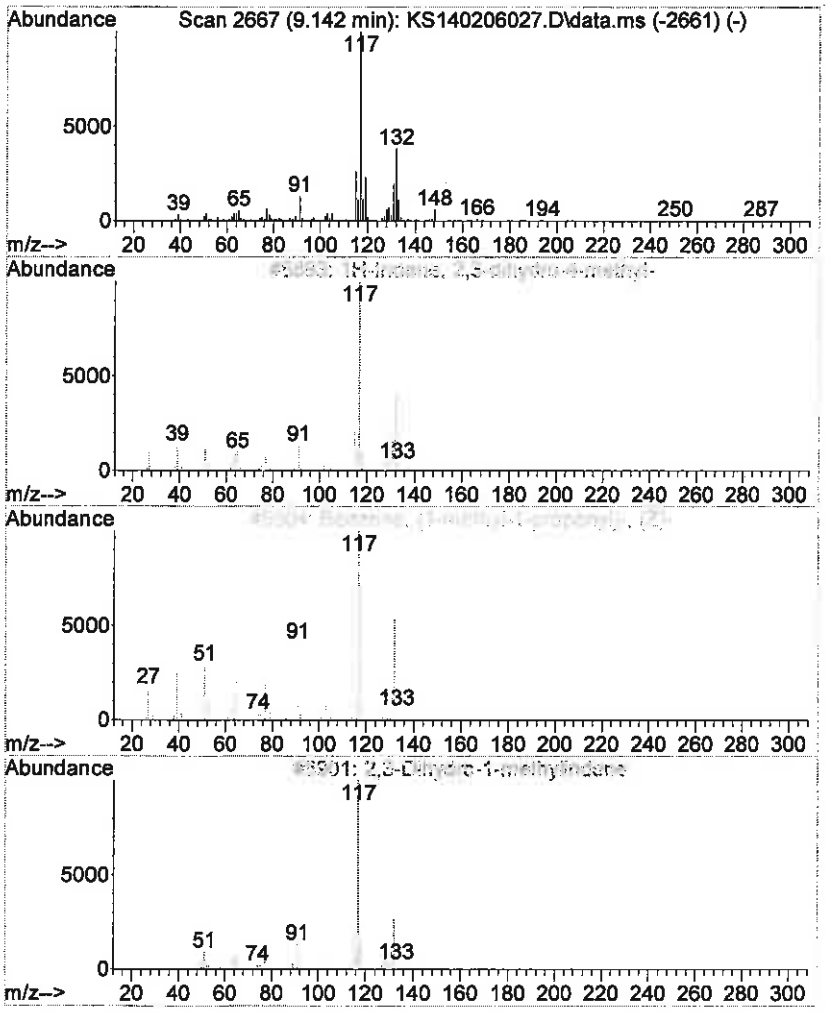
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

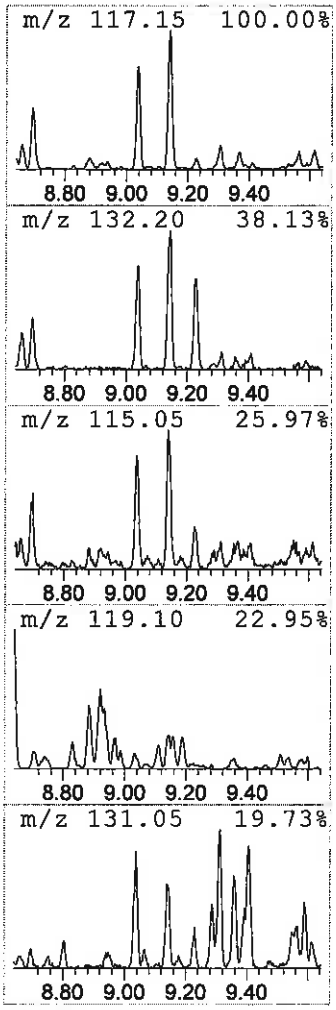
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.142	29.43 ppb	521937	1,4-Dichlorobenzene-d4	8.243

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	80
3	2,3-Dihydro-1-methylindene	132	C10H12	027133-93-3	76
4	Indan, 1-methyl-	132	C10H12	000767-58-8	74
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	68





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Acq On : 6 Feb 2014 4:51 pm
Operator : TP
Sample : 1400314-03
Misc : 50 B4B0066 100ul/5ml
ALS Vial : 24 Sample Multiplier: 1

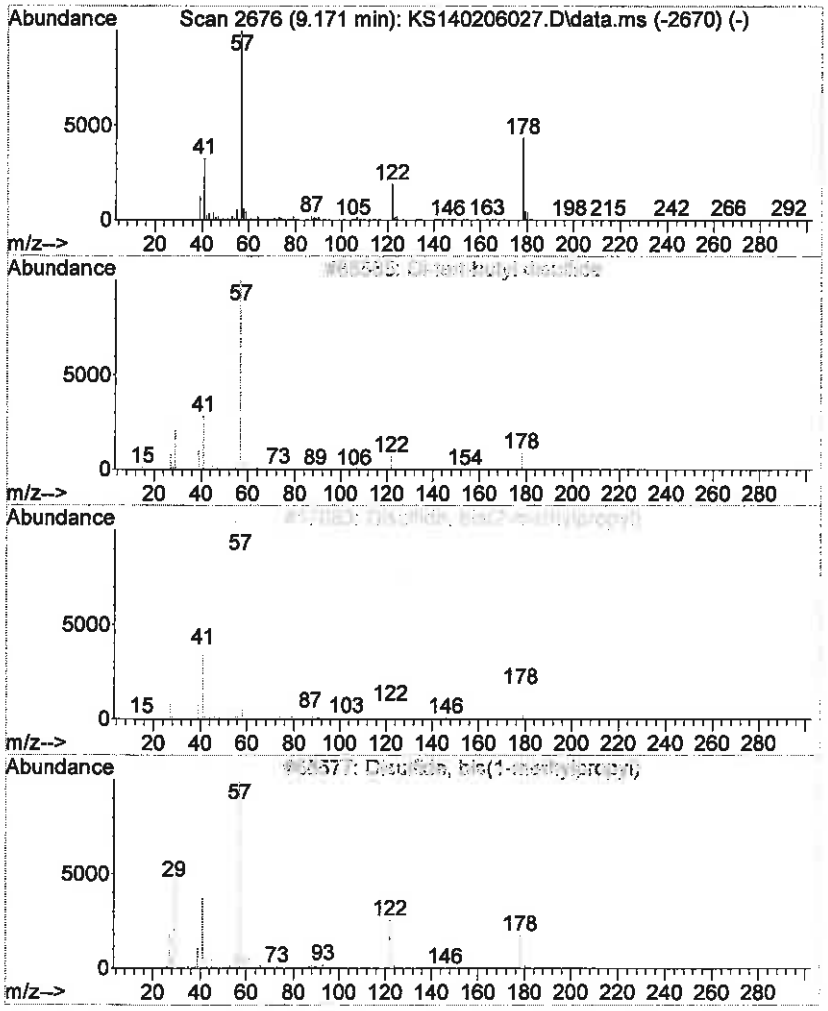
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

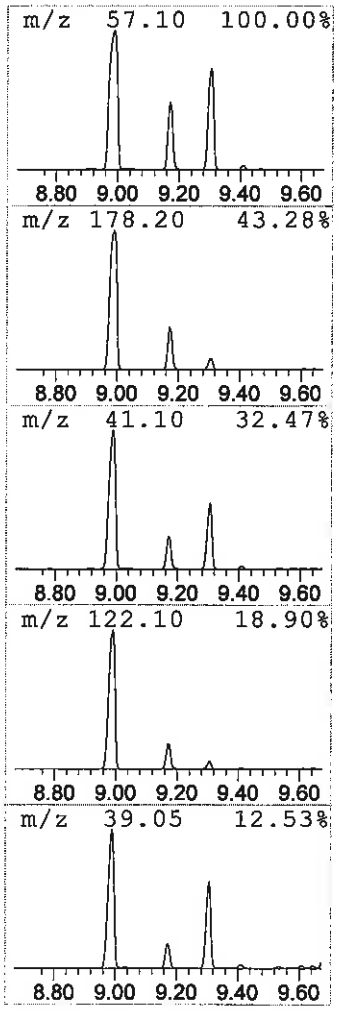
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Di-tert-butyl disulfide Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.171	420.92 ppb	7465360	1,4-Dichlorobenzene-d4	8.243

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Di-tert-butyl disulfide	178	C8H18S2	000110-06-5	59
2	Disulfide, bis(2-methylpropyl)	178	C8H18S2	001518-72-5	56
3	Disulfide, bis(1-methylpropyl)	178	C8H18S2	005943-30-6	47
4	Disulfide, dibutyl	178	C8H18S2	000629-45-8	43
5	Disulfide, butyl (1,1-dimethylet...	178	C8H18S2	072437-55-9	27





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Operator : TP
Sample : 1400314-03
Misc : 50 B4B0066 100ul/5ml
ALS Vial : 24 Sample Multiplier: 1

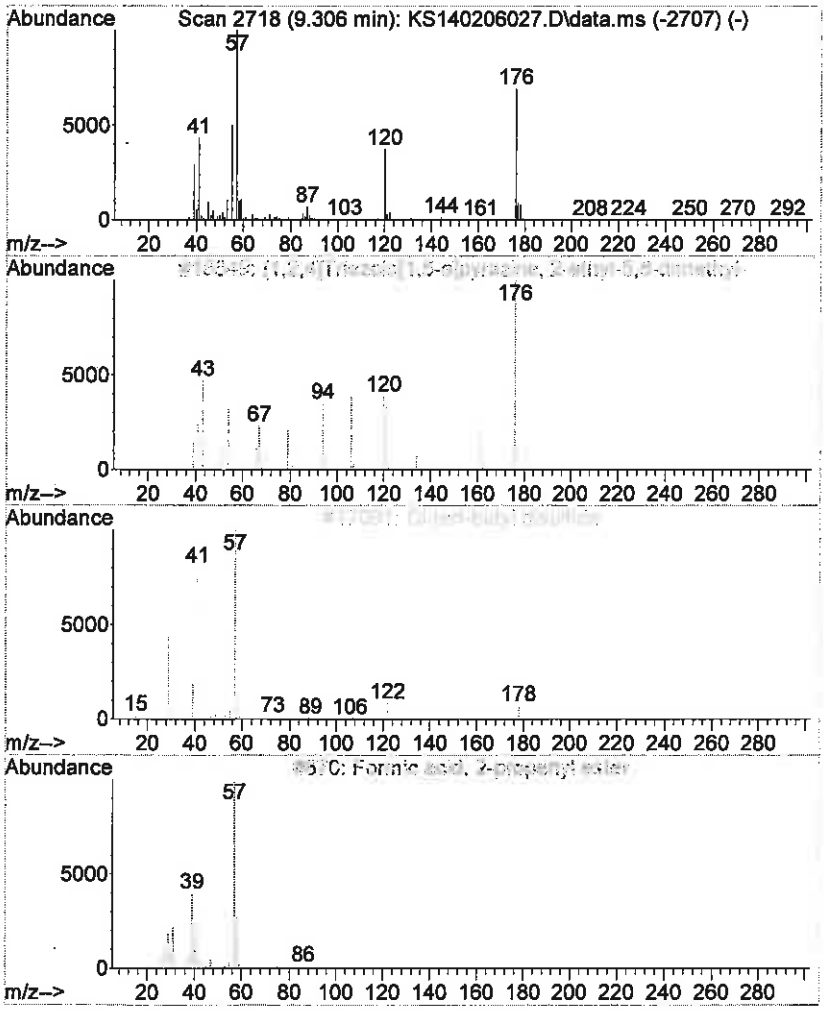
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

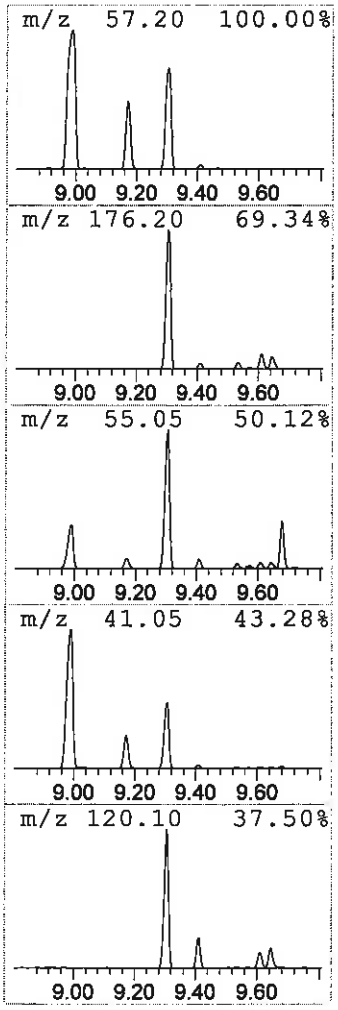
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 [1,2,4]Triazolo[1,5-a]pyraz... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.306	1120.80 ppb	19878100	1,4-Dichlorobenzene-d4	8.243

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,2,4]Triazolo[1,5-a]pyrazine, ...	176	C9H12N4	054518-05-7	38
2	Di-tert-butyl disulfide	178	C8H18S2	000110-06-5	10
3	Formic acid, 2-propenyl ester	86	C4H6O2	001838-59-1	9
4	7-Methoxy-1-tetralone	176	C11H12O2	006836-19-7	9
5	1-Penten-3-ol	86	C5H10O	000616-25-1	9





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Data File : KS140206027.D
Acq On : 6 Feb 2014 4:51 pm
Operator : TP
Sample : 1400314-03
Misc : 50 B4B0066 100ul/5ml
ALS Vial : 24 Sample Multiplier: 1

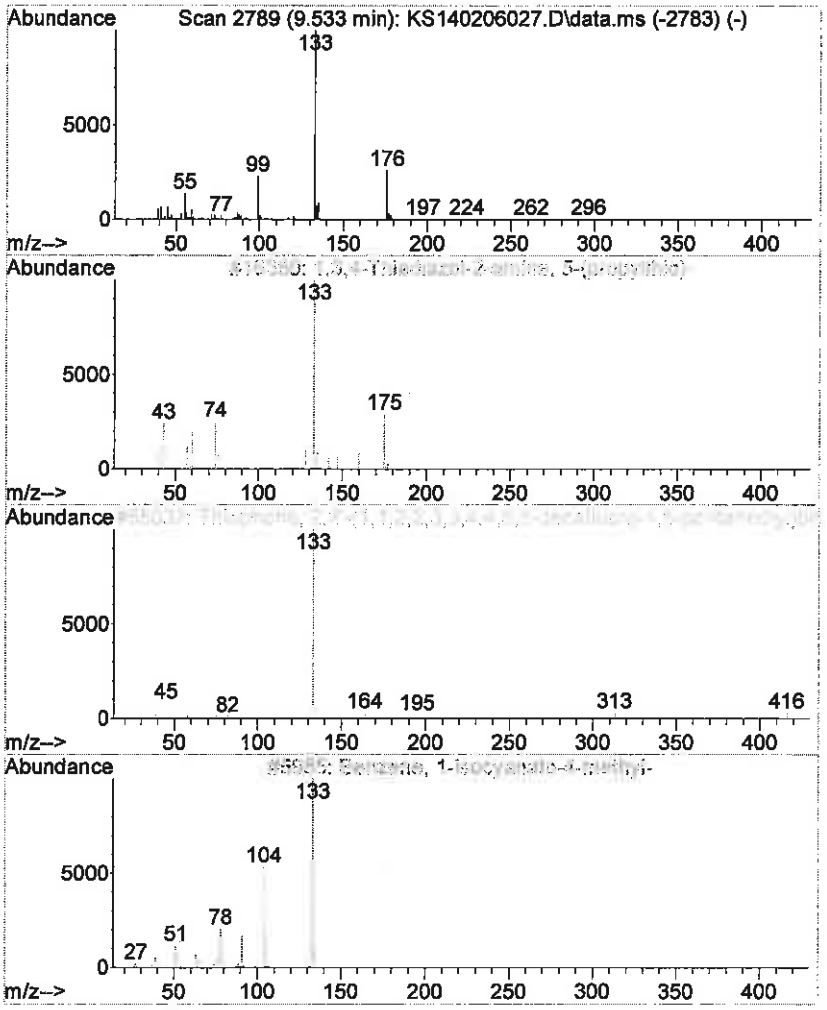
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

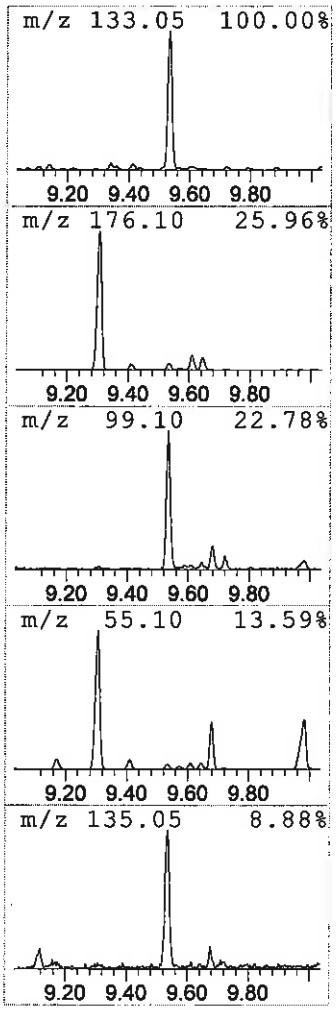
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 1,3,4-Thiadiazol-2-amine, 5... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.533	71.59 ppb	1269620	1,4-Dichlorobenzene-d4	8.243

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,4-Thiadiazol-2-amine, 5-(pro...	175	C5H9N3S2	030062-49-8	33
2	Thiophene, 2,2'-(1,1,2,2,3,3,4,4...	416	C13H6F10S2	024014-44-6	28
3	Benzene, 1-isocyanato-4-methyl-	133	C8H7NO	000622-58-2	7
4	m-Methoxybenzontrile	133	C8H7NO	001527-89-5	5
5	1H-Indole, 2,3-dihydro-4-methyl-	133	C9H11N	062108-16-1	5





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Data File : KS140206027.D
Acq On : 6 Feb 2014 4:51 pm
Operator : TP
Sample : 1400314-03
Misc : 50 B4B0066 100ul/5ml
ALS Vial : 24 Sample Multiplier: 1

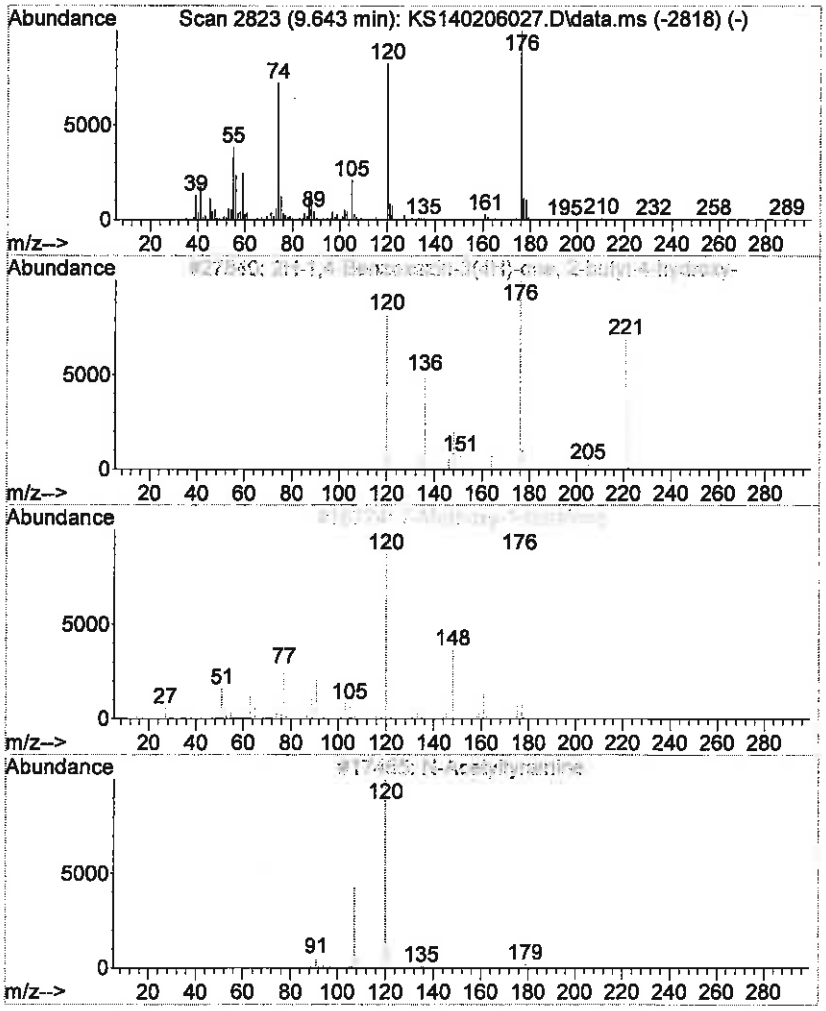
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

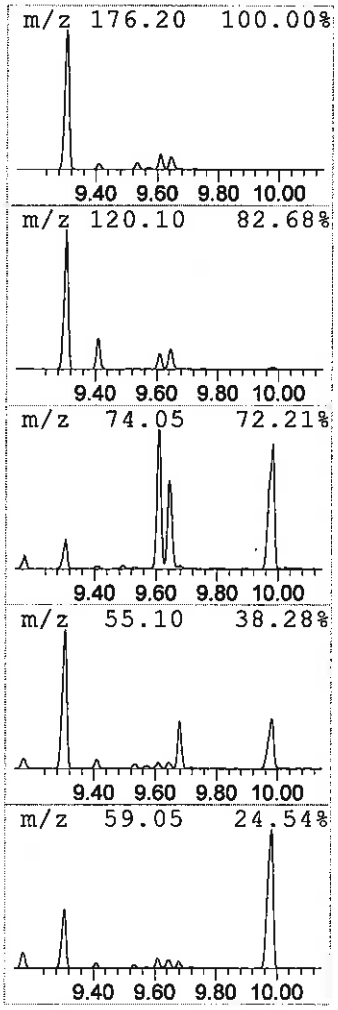
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 2H-1,4-Benzoxazin-3(4H)-one... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.643	70.85 ppb	1256520	1,4-Dichlorobenzene-d4	8.243

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-1,4-Benzoxazin-3(4H)-one, 2-b...	221	C12H15NO3	013212-62-9	64
2	7-Methoxy-1-tetralone	176	C11H12O2	006836-19-7	43
3	N-Acetyltyramine	179	C10H13NO2	001202-66-0	27
4	L-Phenylalanine, propyl ester	207	C12H17NO2	054966-38-0	16
5	1,3-Dithiane	120	C4H8S2	000505-23-7	10





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Data File : KS140206027.D
Acq On : 6 Feb 2014 4:51 pm
Operator : TP
Sample : 1400314-03
Misc : 50 B4B0066 100ul/5ml
ALS Vial : 24 Sample Multiplier: 1

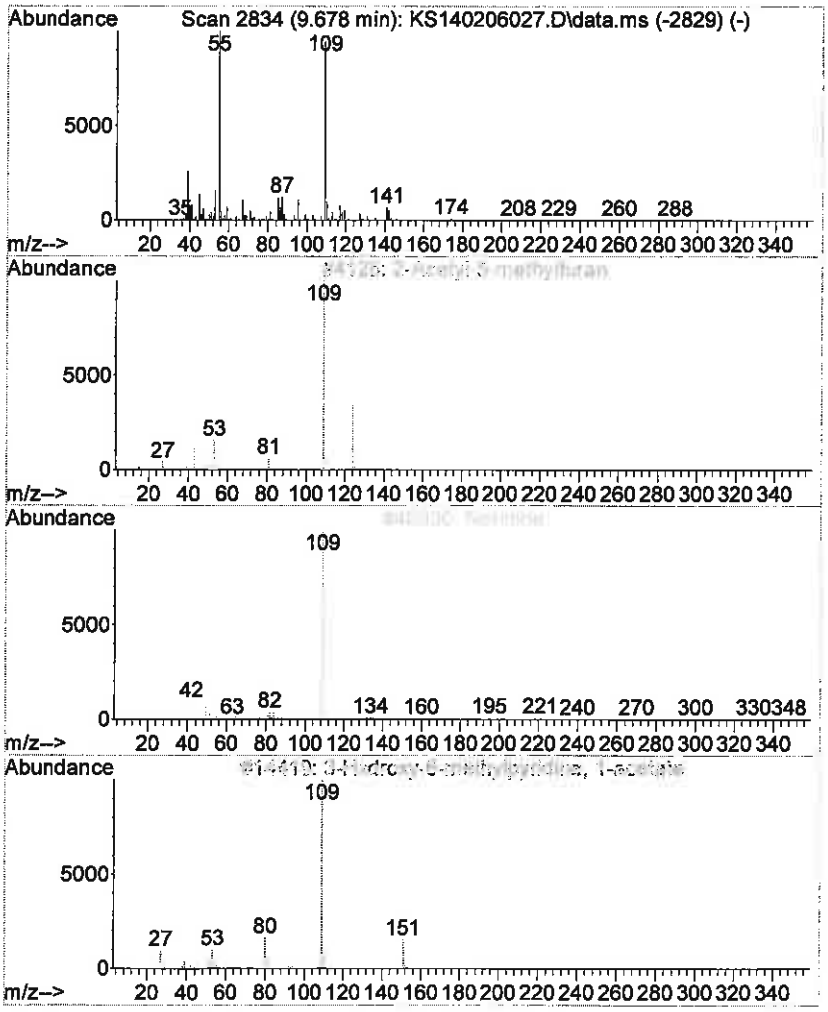
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

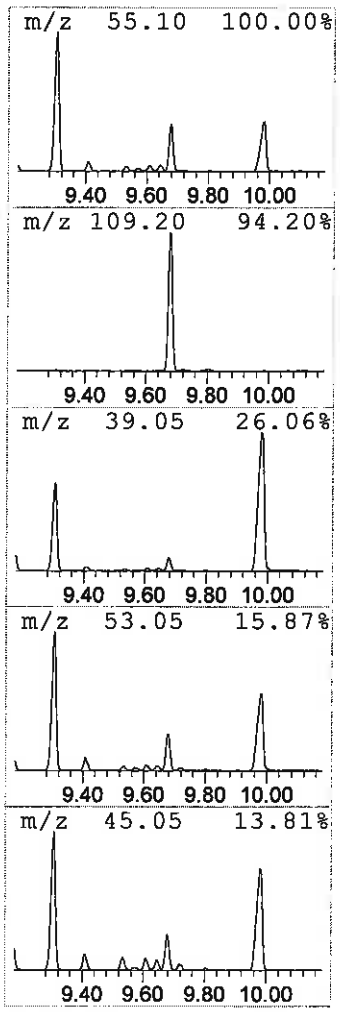
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 2-Acetyl-5-methylfuran Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.678	163.97 ppb	2908160	1,4-Dichlorobenzene-d4	8.243

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Acetyl-5-methylfuran	124	C7H8O2	001193-79-9	37
2	Nerinine	347	C19H25NO5	000481-44-7	25
3	3-Hxdroxy-6-methylpyridine, 1-ac...	168	C8H10NO3	000000-00-0	25
4	1H-Pyrrole-2-carboxaldehyde, 1-m...	109	C6H7NO	001192-58-1	23
5	Benzene, (fluoromethyl)-	110	C7H7F	000350-50-5	20





Library Search Compound Report

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Data File : KS140206027.D
Acq On    :  6 Feb 2014   4:51 pm
Operator  : TP
Sample    : 1400314-03
Misc      : 50 B4B0066 100ul/5ml
ALS Vial  : 24   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title  : VOC 8260B Advanced Technology Laboratory

TIC Library    : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P
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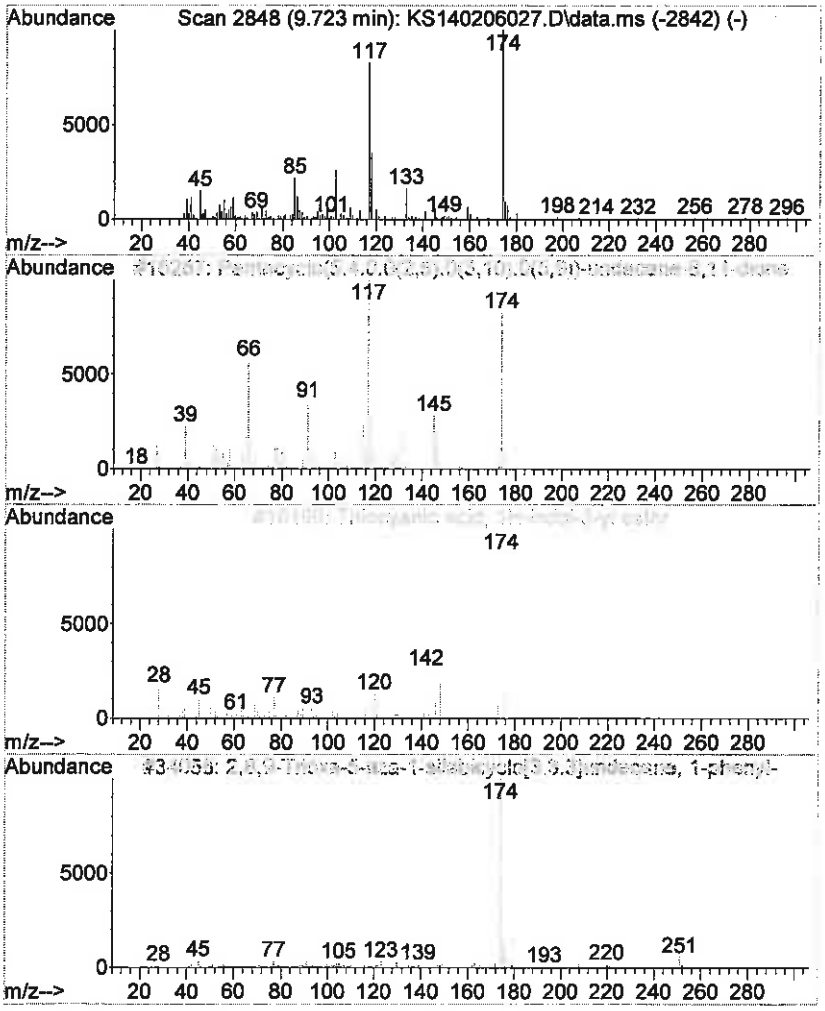
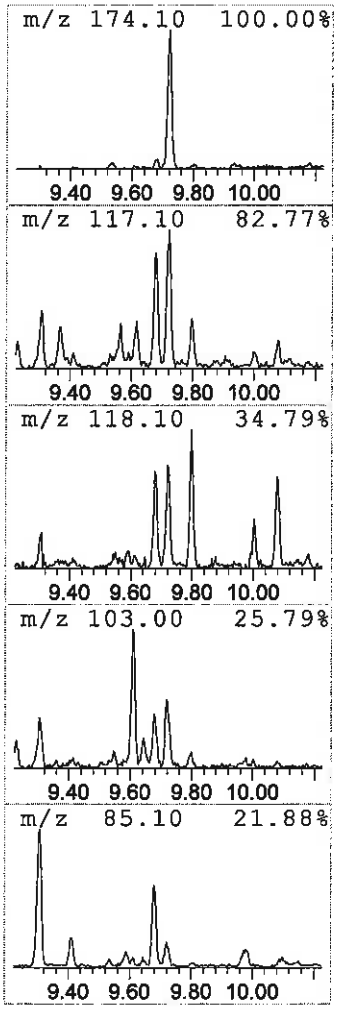
****

Peak Number 16 Pentacyclo(5.4.0.0(2,6).0(3... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.723	26.26 ppb	465808	1,4-Dichlorobenzene-d4	8.243

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacyclo(5.4.0.0(2,6).0(3,10)....	174	C11H10O2	002958-72-7	42
2	Thiocyanic acid, 1H-indol-3-yl e...	174	C9H6N2S	023706-25-4	14
3	2,8,9-Trioxa-5-aza-1-silabicyclo...	251	C12H17NO3Si	002097-19-0	14
4	1H-Indole, 1-(acetyloxy)-	175	C10H9NO2	054698-12-3	12
5	1,4-Naphthalenedione, 5-hydroxy-	174	C10H6O3	000481-39-0	12





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Data File : KS140206027.D
Acq On : 6 Feb 2014 4:51 pm
Operator : TP
Sample : 1400314-03
Misc : 50 B4B0066 100ul/5ml
ALS Vial : 24 Sample Multiplier: 1

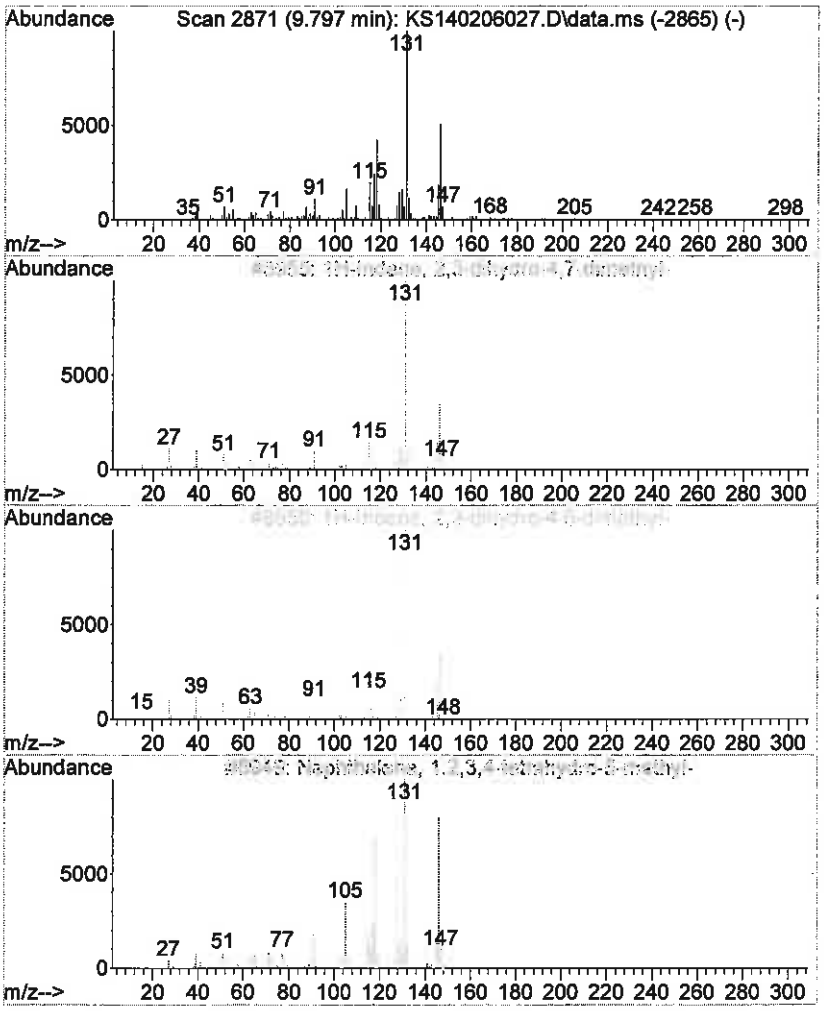
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

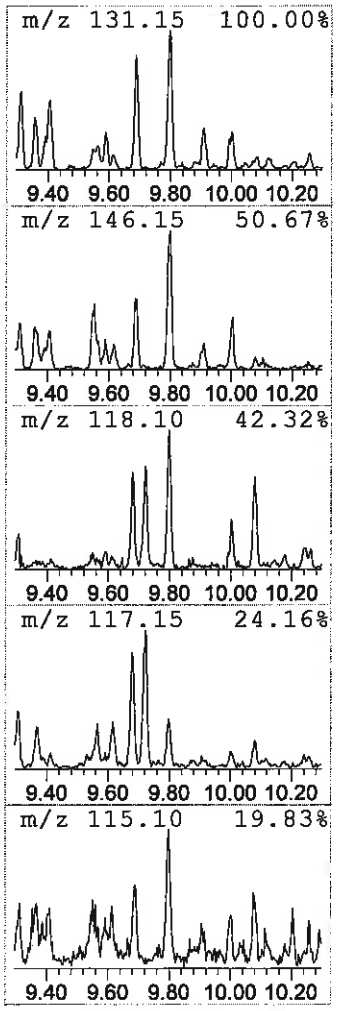
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.797	26.01 ppb	461339	1,4-Dichlorobenzene-d4	8.243

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
2	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	92
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	90
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	86
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	74





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Data File : KS140206027.D
Acq On : 6 Feb 2014 4:51 pm
Operator : TP
Sample : 1400314-03
Misc : 50 B4B0066 100ul/5ml
ALS Vial : 24 Sample Multiplier: 1

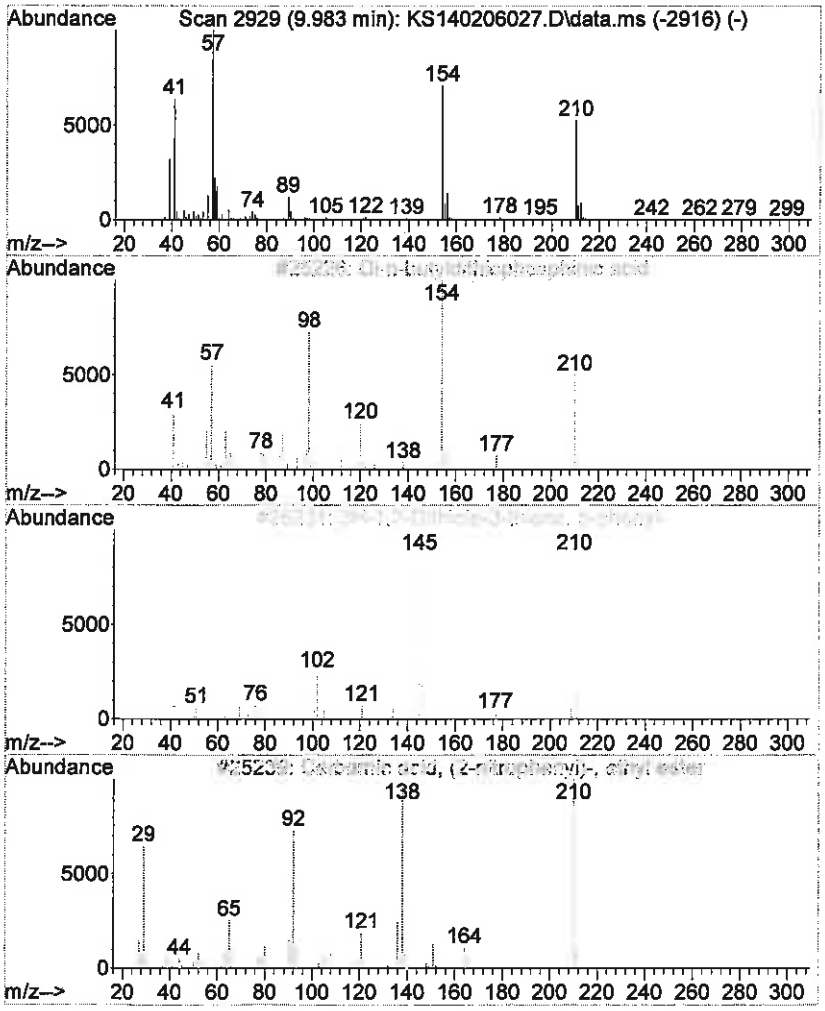
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

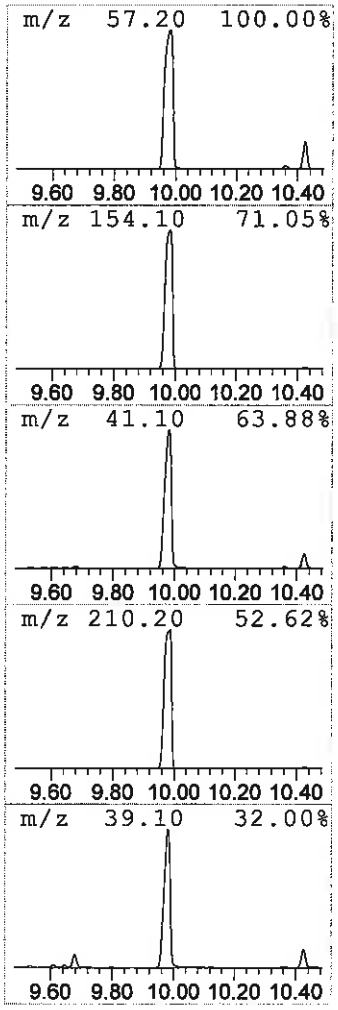
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Di-n-butyldithiophosphinic ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.983	2470.80 ppb	43821300	1,4-Dichlorobenzene-d4	8.243

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Di-n-butyldithiophosphinic acid	210	C8H19PS2	000000-00-0	43
2	3H-1,2-Dithiole-3-thione, 5-phenyl-	210	C9H6S3	003445-76-9	9
3	Carbamic acid, (2-nitrophenyl)-,...	210	C9H10N2O4	002621-84-3	9
4	1,2-Phenanthrenediamine, 9,10-di...	210	C14H14N2	018264-92-1	9
5	1-Hexene, 1-iodo-, (E)-	210	C6H11I	016644-98-7	9





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Data File : KS140206027.D
Acq On : 6 Feb 2014 4:51 pm
Operator : TP
Sample : 1400314-03
Misc : 50 B4B0066 100ul/5ml
ALS Vial : 24 Sample Multiplier: 1

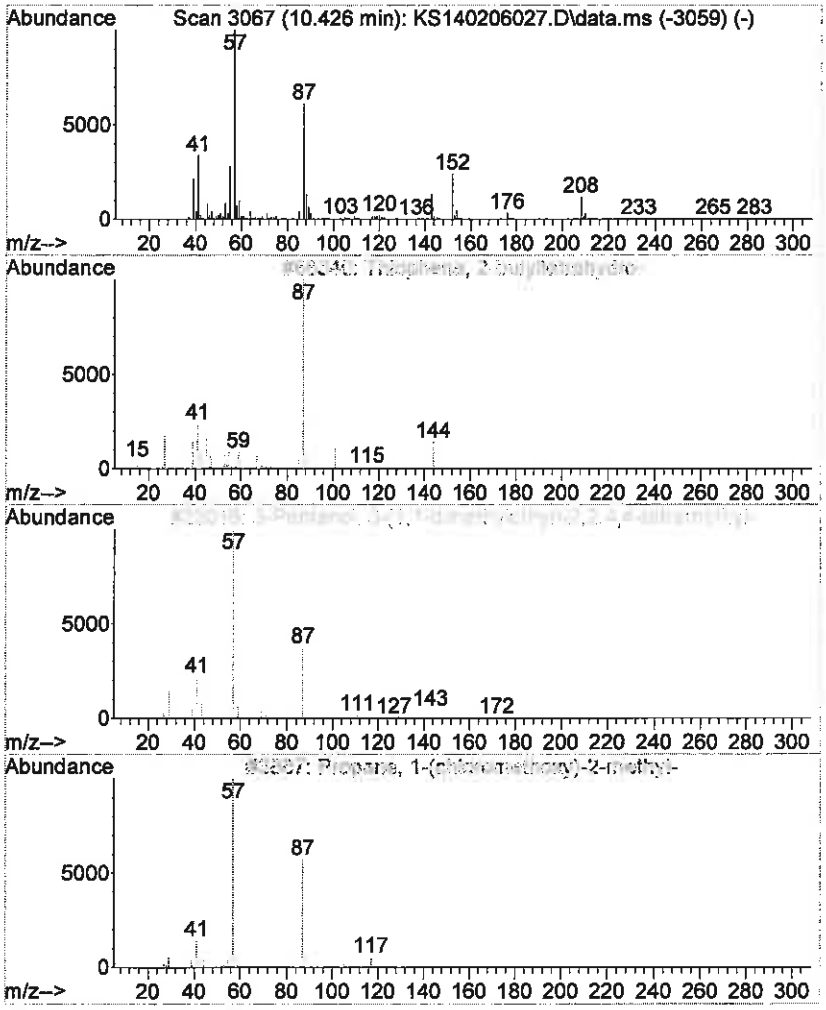
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

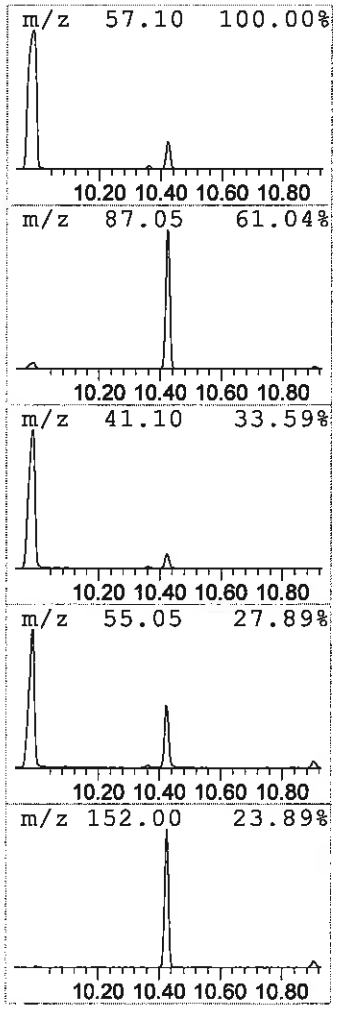
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Thiophene, 2-butyltetrahydro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.426	241.16 ppb	4277060	1,4-Dichlorobenzene-d4	8.243

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2-butyltetrahydro-	144	C8H16S	001613-49-6	27
2	3-Pentanol, 3-(1,1-dimethylethyl...	200	C13H28O	041902-42-5	25
3	Propane, 1-(chloromethoxy)-2-met...	122	C5H11ClO	034180-11-5	17
4	1,3-Dioxolane, 2-methyl-2-pentyl-	158	C9H18O2	004352-95-8	16
5	2-Trimethylsilyl-1,3-dithiane	192	C7H16S2Si	013411-42-2	12





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Acq On : 6 Feb 2014 4:51 pm
Operator : TP
Sample : 1400314-03
Misc : 50 B4B0066 100ul/5ml
ALS Vial : 24 Sample Multiplier: 1

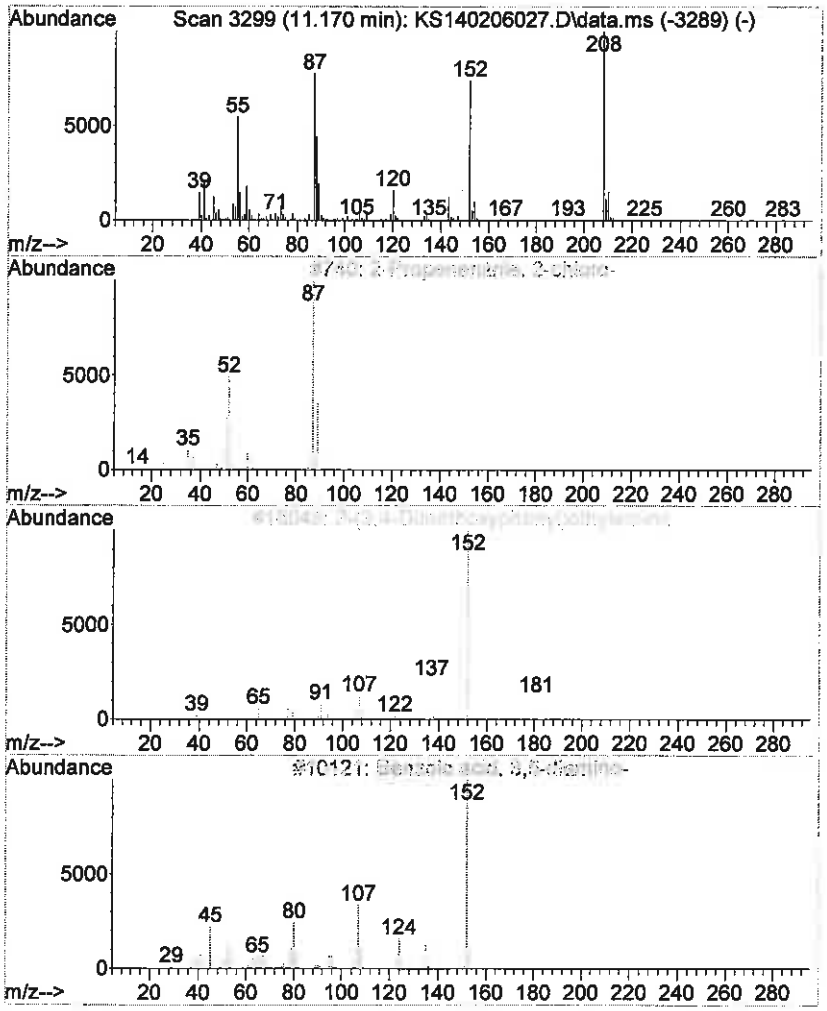
Quant Method : C:\msdchem\1\METHODS\KS140118.M
Quant Title : VOC 8260B Advanced Technology Laboratory

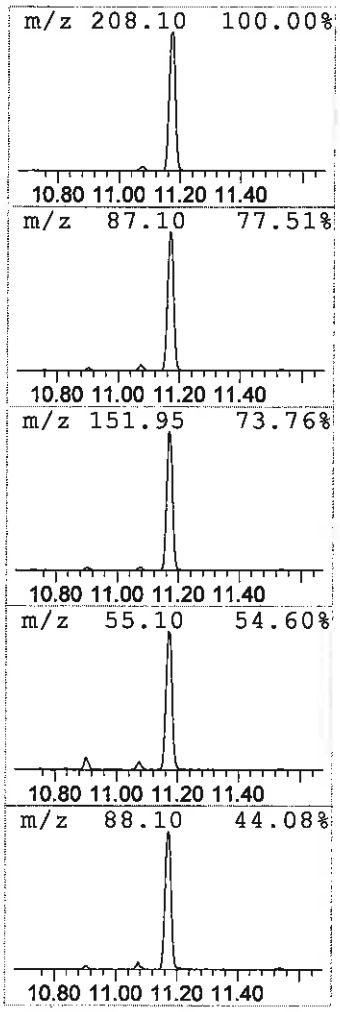
TIC Library : D:\DATABASE\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 2-Propenenitrile, 2-chloro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.170	379.01 ppb	6721930	1,4-Dichlorobenzene-d4	8.243

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenenitrile, 2-chloro-	87	C3H2ClN	000920-37-6	14
2	2-(3,4-Dimethoxyphenyl)ethylamine	181	C10H15NO2	000000-00-0	10
3	Benzoic acid, 3,5-diamino-	152	C7H8N2O2	000535-87-5	10
4	Dibenzo[b,e]-1,4-diazabicyclo[2....	208	C14H12N2	000000-00-0	9
5	Asarone	208	C12H16O3	002883-98-9	9





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Data File : TS140211013.D
Acq On : 11 Feb 2014 8:02 pm
Operator : TP
Sample : 1400314-04
Misc : 50 B4B0138 5g/5mL MeOH -> 100uL
ALS Vial : 11 Sample Multiplier: 1

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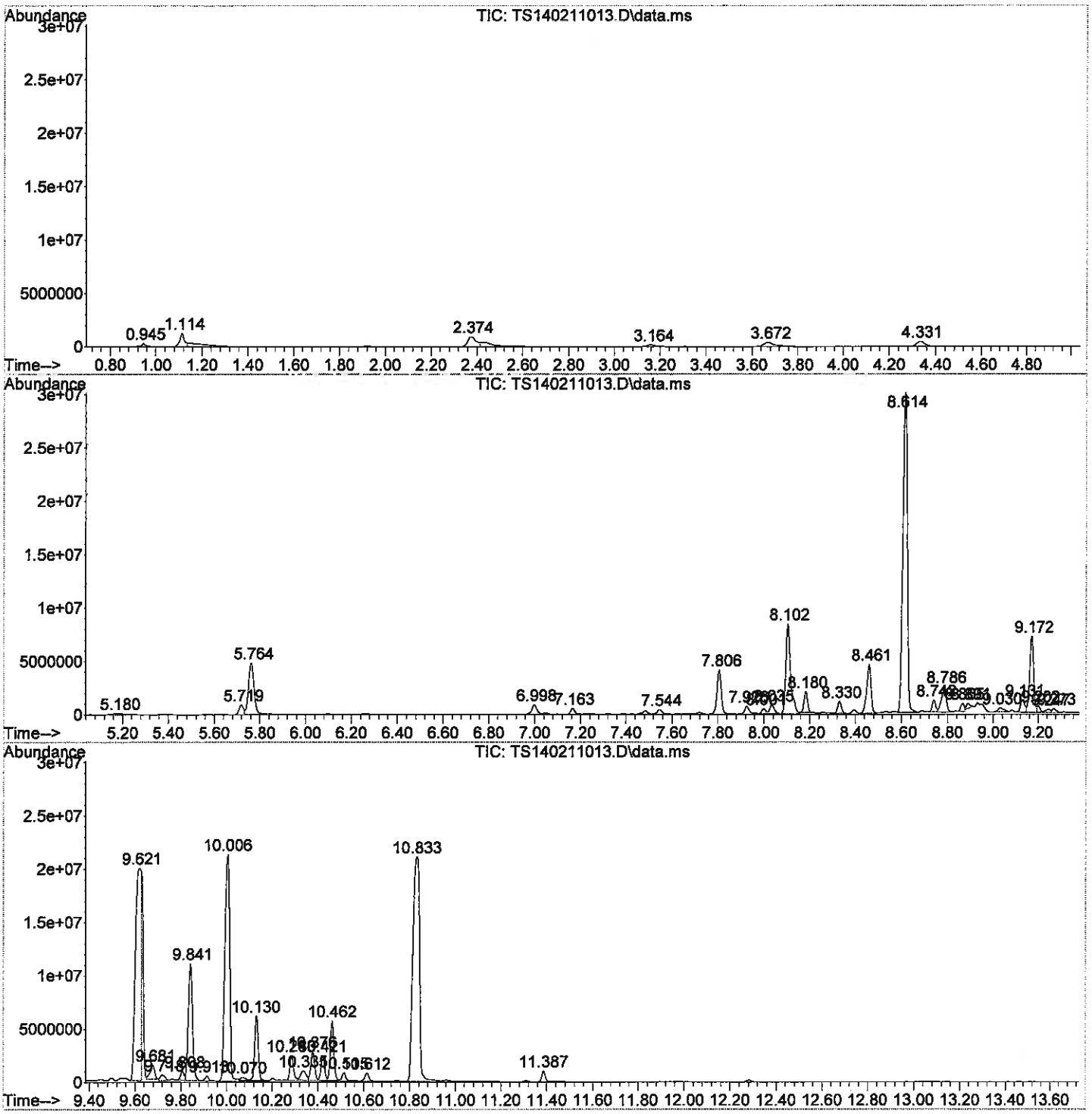

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ALS Vial : 11 Sample Multiplier: 1

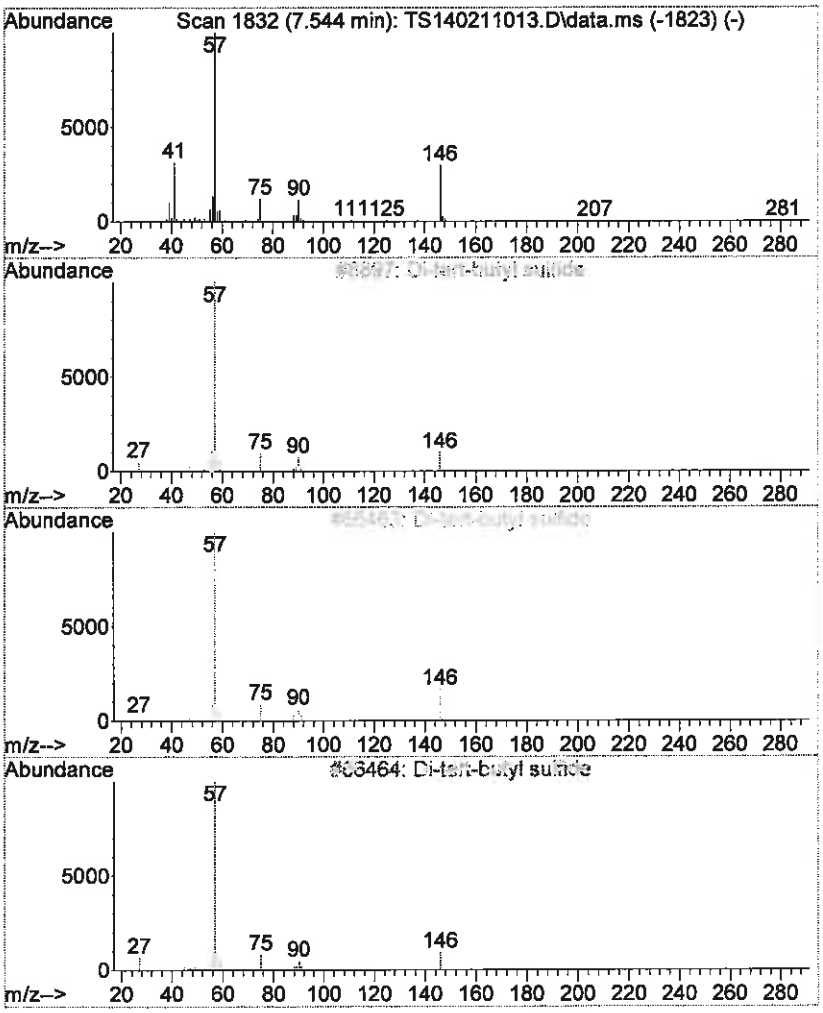
Quant Method : C:\msdchem\1\METHODS\TS140210.M
Quant Title : VOC 624/8260B Advanced Technology Laboratory

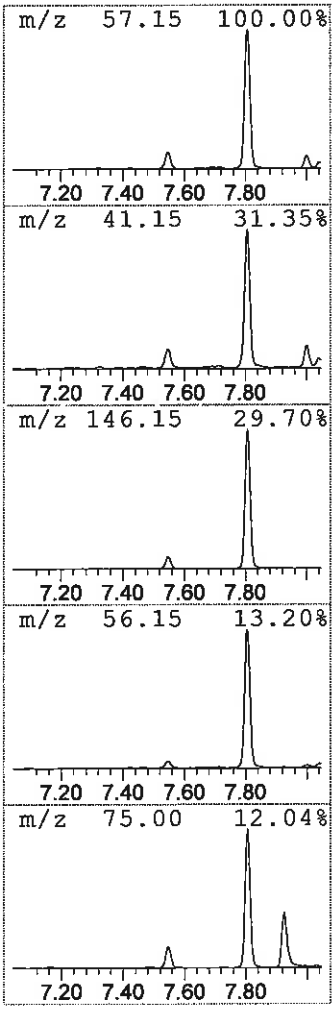
TIC Library : C:\Database\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Di-tert-butyl sulfide Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.544	23.64 ppb	653952	Chlorobenzene-d5	6.998

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Di-tert-butyl sulfide	146	C8H18S	000107-47-1	91
2	Di-tert-butyl sulfide	146	C8H18S	000107-47-1	90
3	Di-tert-butyl sulfide	146	C8H18S	000107-47-1	87
4	Phosphine, bis(1,1-dimethylethyl)-	146	C8H19P	000819-19-2	23
5	Propane, 2,2'-[1,2-ethanediylbis...	174	C10H22O2	026547-47-7	10





Data Path : D:\DATA\140211\
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Operator : TP
Sample : 1400314-04
Misc : 50 B4B0138 5g/5mL MeOH -> 100uL
ALS Vial : 11 Sample Multiplier: 1

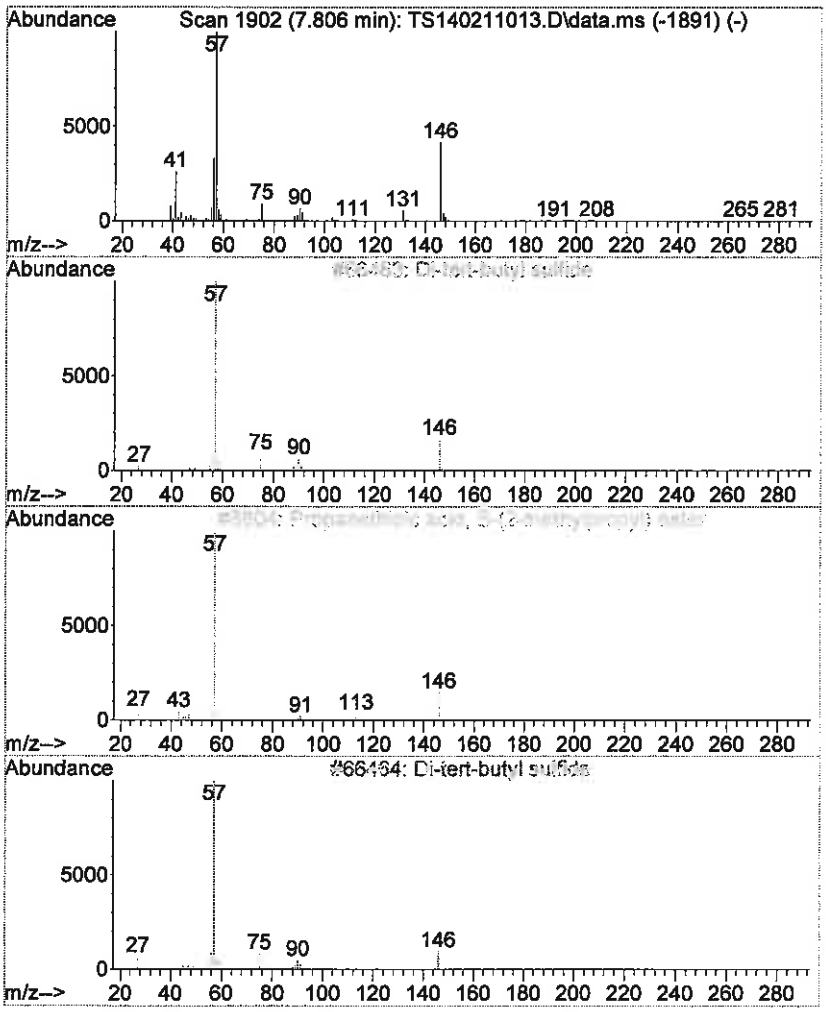
Quant Method : C:\msdchem\1\METHODS\TS140210.M
Quant Title : VOC 624/8260B Advanced Technology Laboratory

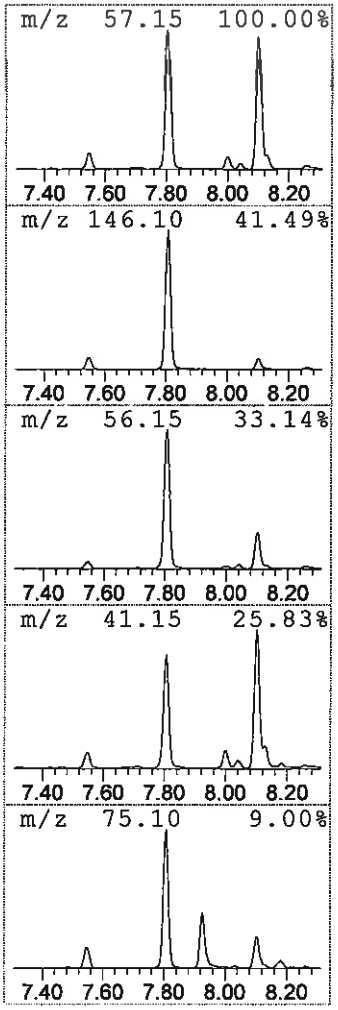
TIC Library : C:\Database\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Di-tert-butyl sulfide Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.806	191.79 ppb	5306440	Chlorobenzene-d5	6.998

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Di-tert-butyl sulfide	146	C8H18S	000107-47-1	62
2	Propanethioic acid, S-(2-methylp...	146	C7H14OS	002432-48-6	53
3	Di-tert-butyl sulfide	146	C8H18S	000107-47-1	52
4	Diisobutyl sulfide	146	C8H18S	000592-65-4	40
5	Di-tert-butyl sulfide	146	C8H18S	000107-47-1	27





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Acq On : 11 Feb 2014 8:02 pm
Operator : TP
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ALS Vial : 11 Sample Multiplier: 1

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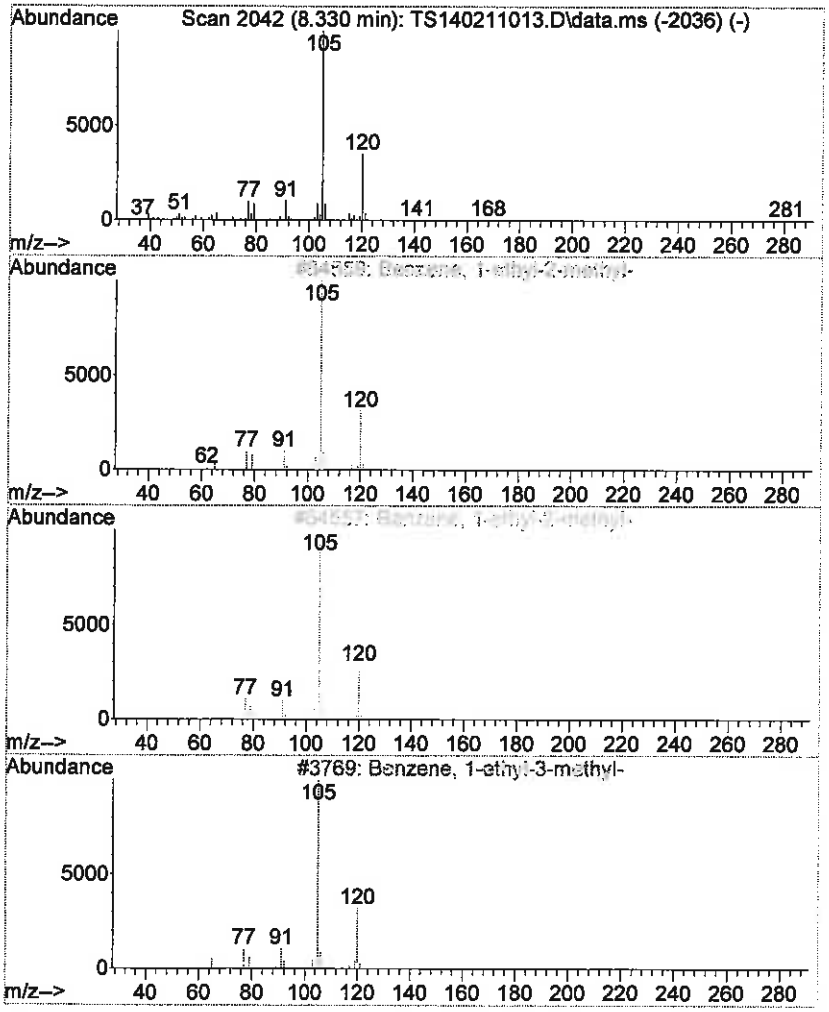
Quant Title : VOC 624/8260B Advanced Technology Laboratory

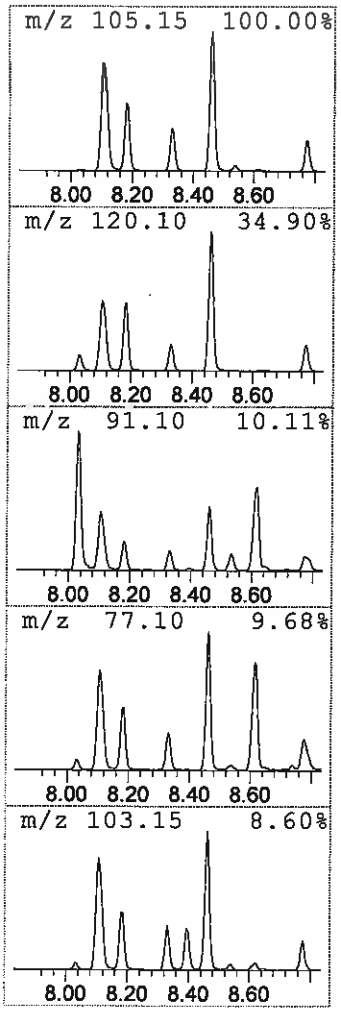
TIC Library : C:\Database\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.330	54.06 ppb	1245800	1,4-Dichlorobenzene-d4	8.742

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : D:\DATA\140211\
Data File : TS140211013.D
Acq On : 11 Feb 2014 8:02 pm
Operator : TP
Sample : 1400314-04
Misc : 50 B4B0138 5g/5mL MeOH -> 100uL
ALS Vial : 11 Sample Multiplier: 1

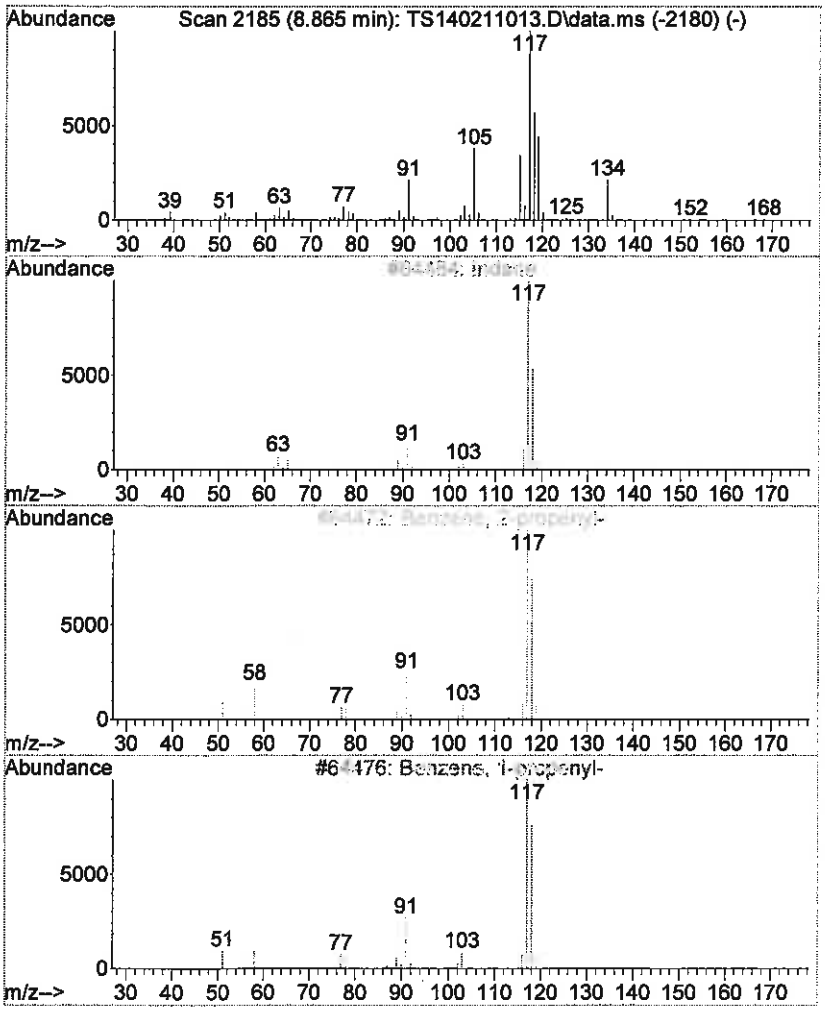
Quant Method : C:\msdchem\1\METHODS\TS140210.M
Quant Title : VOC 624/8260B Advanced Technology Laboratory

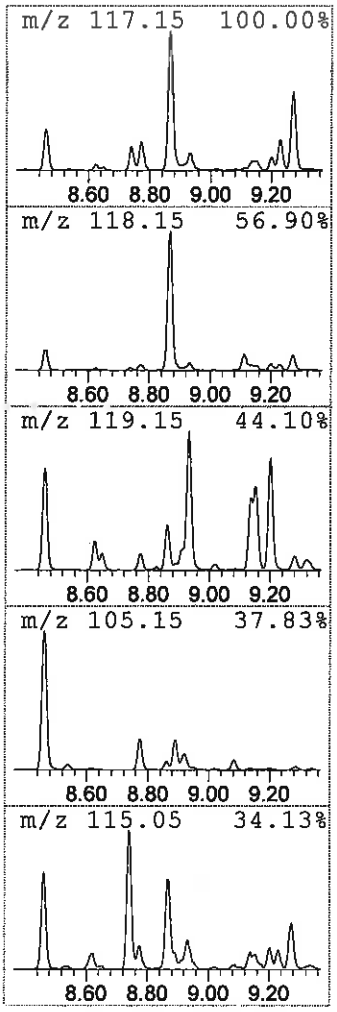
TIC Library : C:\Database\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Indane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.865	36.93 ppb	850994	1,4-Dichlorobenzene-d4	8.742

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	55
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	55
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	55
4	Benzene, 1-propenyl-, (E)-	118	C9H10	000873-66-5	55
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	49





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Acq On : 11 Feb 2014 8:02 pm
Operator : TP
Sample : 1400314-04
Misc : 50 B4B0138 5g/5mL MeOH -> 100uL
ALS Vial : 11 Sample Multiplier: 1

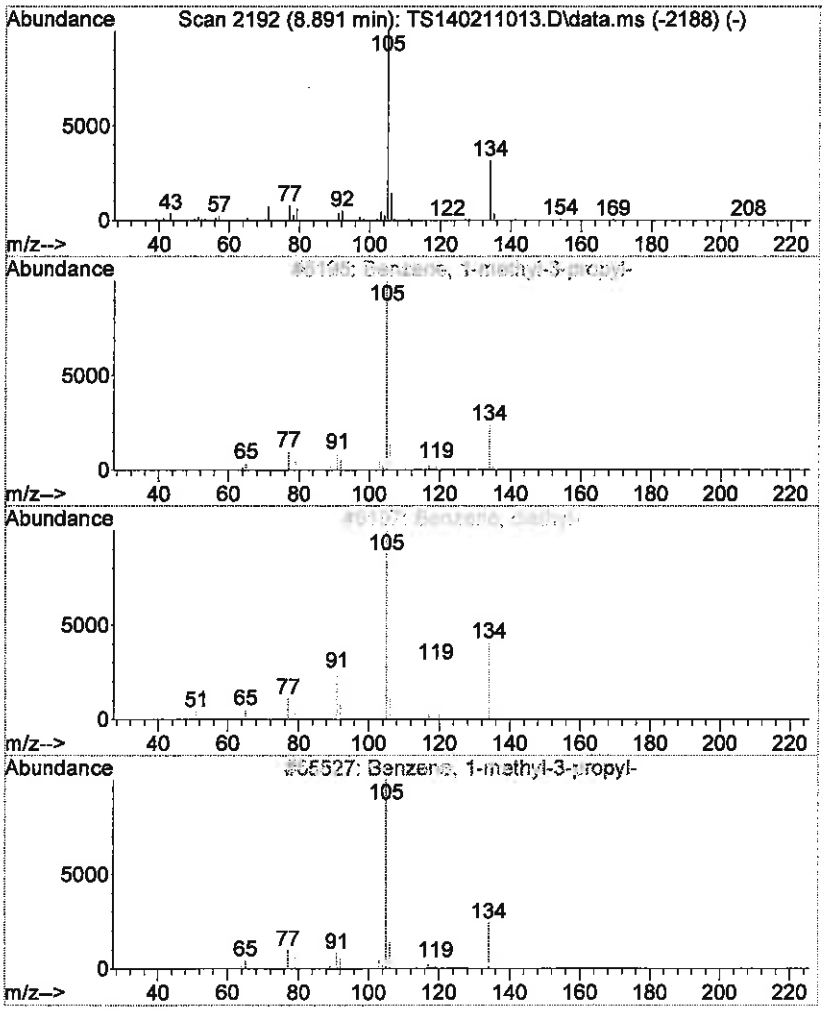
Quant Method : C:\msdchem\1\METHODS\TS140210.M
Quant Title : VOC 624/8260B Advanced Technology Laboratory

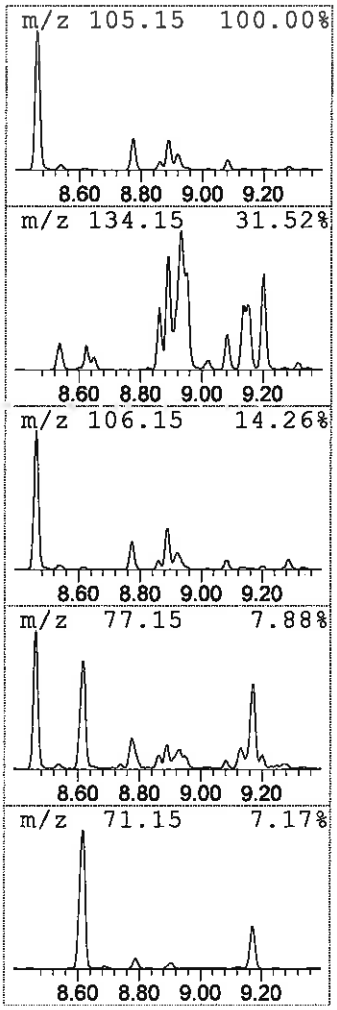
TIC Library : C:\Database\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1-methyl-3-propyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.891	21.63 ppb	498497	1,4-Dichlorobenzene-d4	8.742

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	86
2	Benzene, diethyl-	134	C10H14	025340-17-4	80
3	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	78
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	72
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	72





Data Path : D:\DATA\140211\
Data File : TS140211013.D
Acq On : 11 Feb 2014 8:02 pm
Operator : TP
Sample : 1400314-04
Misc : 50 B4B0138 5g/5mL MeOH -> 100uL
ALS Vial : 11 Sample Multiplier: 1

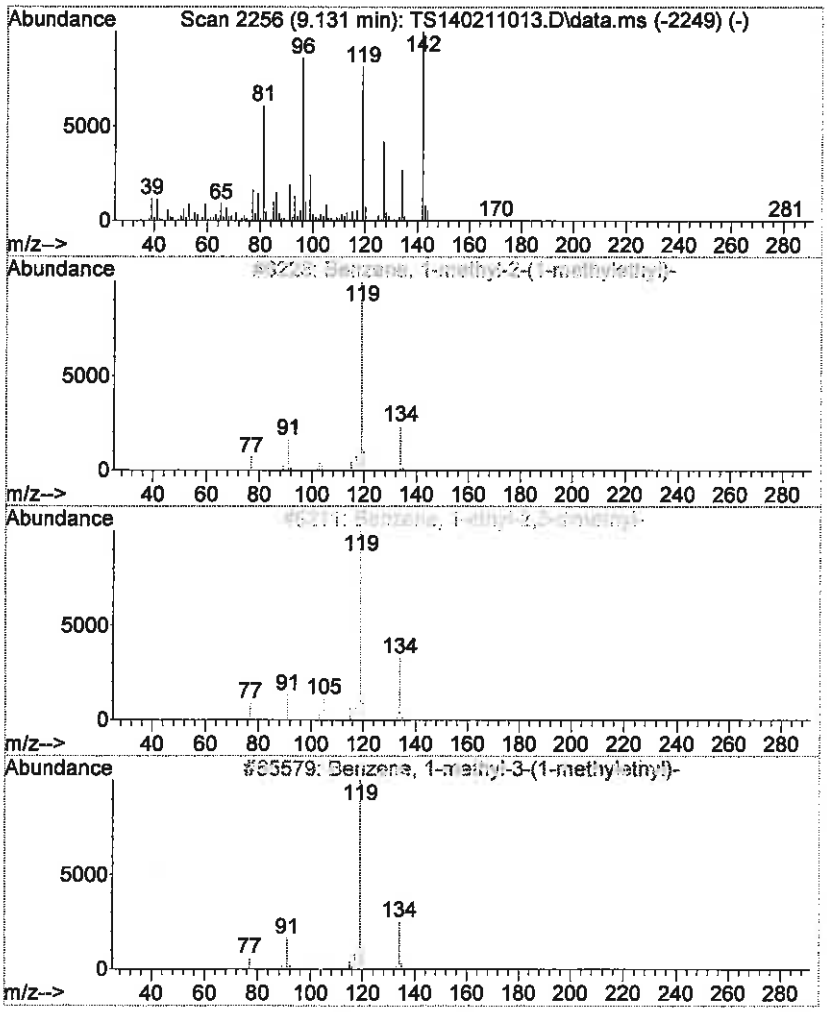
Quant Method : C:\msdchem\1\METHODS\TS140210.M
Quant Title : VOC 624/8260B Advanced Technology Laboratory

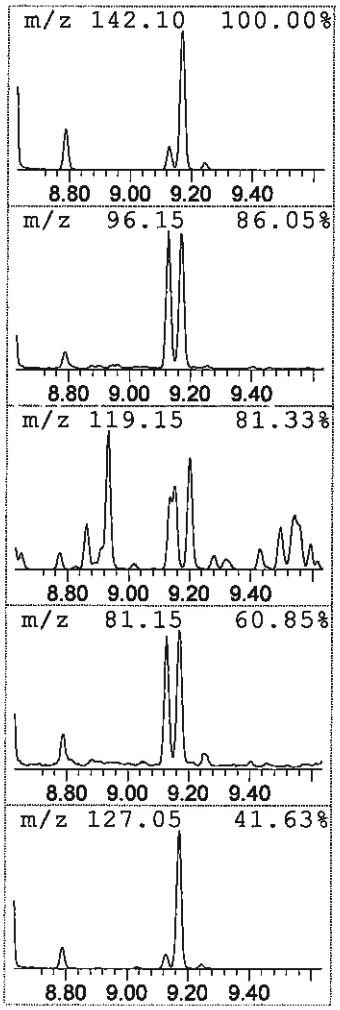
TIC Library : C:\Database\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 1-methyl-2-(1-meth... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.131	65.23 ppb	1503080	1,4-Dichlorobenzene-d4	8.742

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	53
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	25
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	25
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	25
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	25





Data Path : D:\DATA\140211\
Data File : TS140211013.D
Acq On : 11 Feb 2014 8:02 pm
Operator : TP
Sample : 1400314-04
Misc : 50 B4B0138 5g/5mL MeOH -> 100uL
ALS Vial : 11 Sample Multiplier: 1

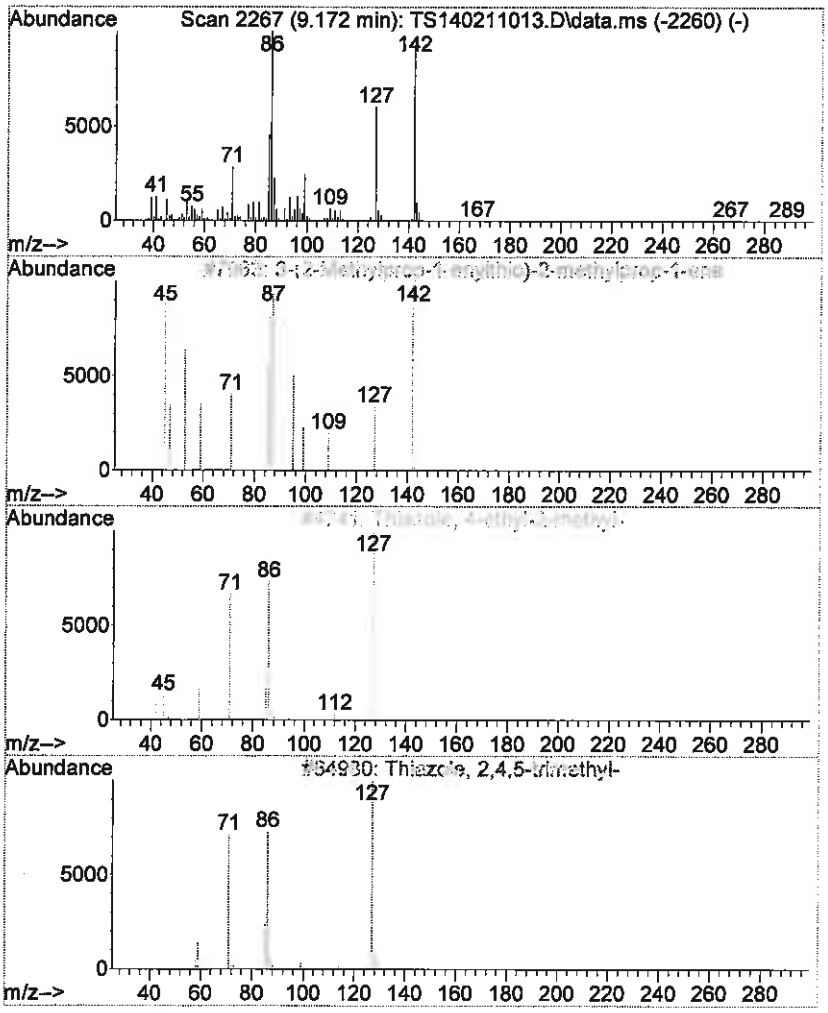
Quant Method : C:\msdchem\1\METHODS\TS140210.M
Quant Title : VOC 624/8260B Advanced Technology Laboratory

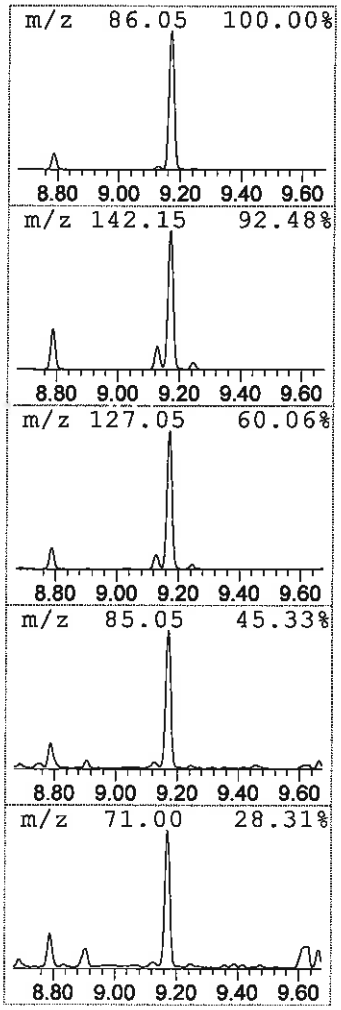
TIC Library : C:\Database\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 3-(2-Methylprop-1-enylthio)... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.172	391.00 ppb	9010000	1,4-Dichlorobenzene-d4	8.742

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(2-Methylprop-1-enylthio)-2-me...	142	C8H14S	000000-00-0	33
2	Thiazole, 4-ethyl-2-methyl-	127	C6H9NS	032272-48-3	32
3	Thiazole, 2,4,5-trimethyl-	127	C6H9NS	013623-11-5	32
4	Ethanone, 1-(4-hydroxy-3-thienyl)-	142	C6H6O2S	005556-16-1	30
5	Benzene, 1-chloro-4-methoxy-	142	C7H7ClO	000623-12-1	25





Data Path : D:\DATA\140211\
Data File : TS140211013.D
Acq On : 11 Feb 2014 8:02 pm
Operator : TP
Sample : 1400314-04
Misc : 50 B4B0138 5g/5mL MeOH -> 100uL
ALS Vial : 11 Sample Multiplier: 1

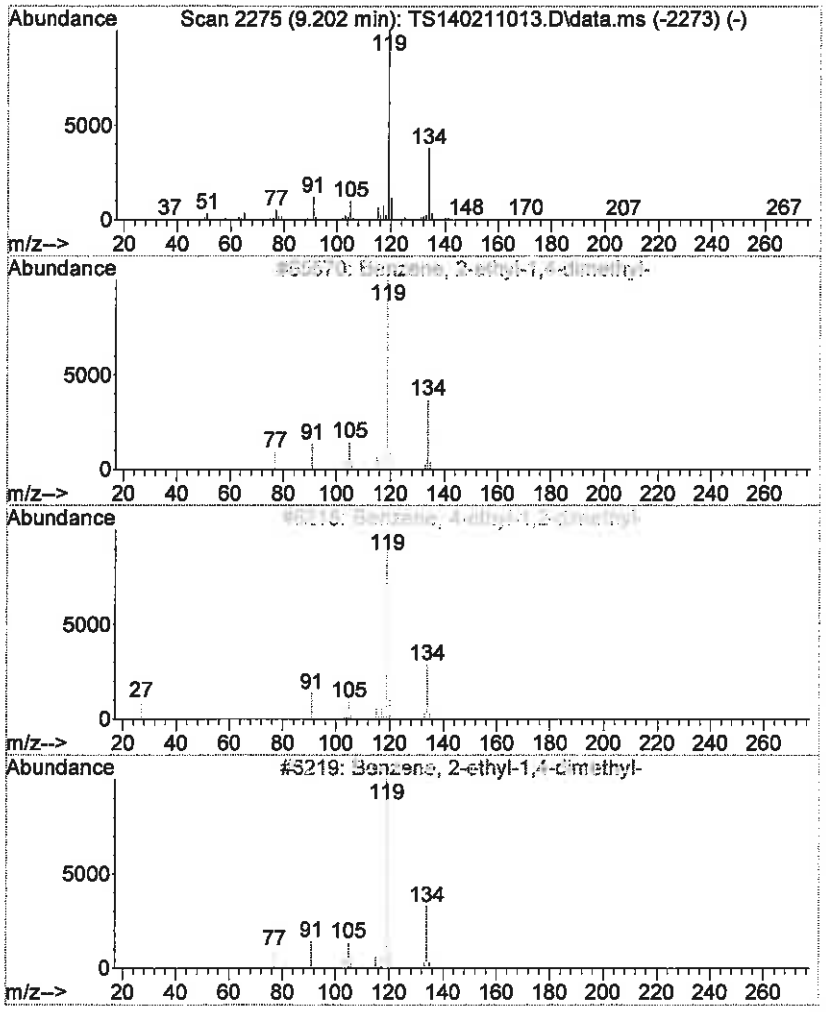
Quant Method : C:\msdchem\1\METHODS\TS140210.M
Quant Title : VOC 624/8260B Advanced Technology Laboratory

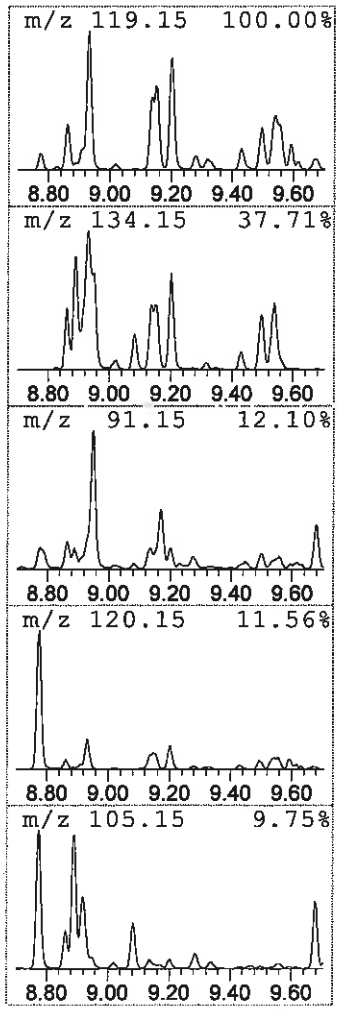
TIC Library : C:\Database\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.202	22.09 ppb	508963	1,4-Dichlorobenzene-d4	8.742

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91





Data Path : D:\DATA\140211\
Data File : TS140211013.D
Acq On : 11 Feb 2014 8:02 pm
Operator : TP
Sample : 1400314-04
Misc : 50 B4B0138 5g/5mL MeOH -> 100uL
ALS Vial : 11 Sample Multiplier: 1

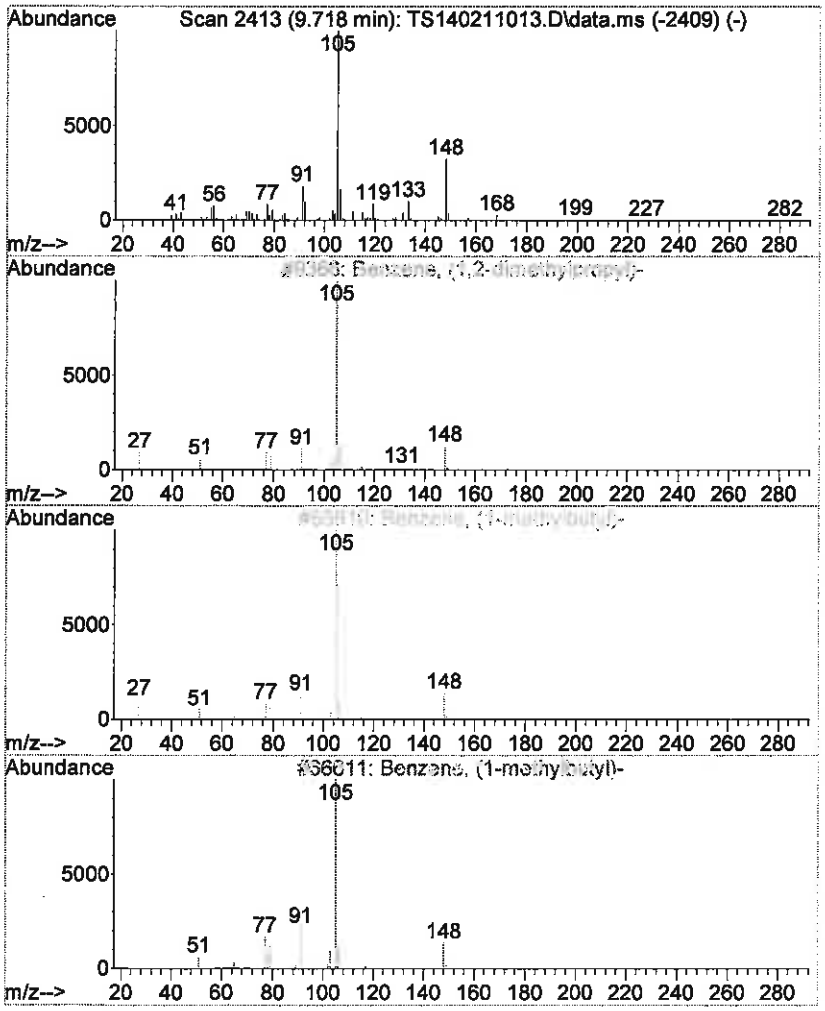
Quant Method : C:\msdchem\1\METHODS\TS140210.M
Quant Title : VOC 624/8260B Advanced Technology Laboratory

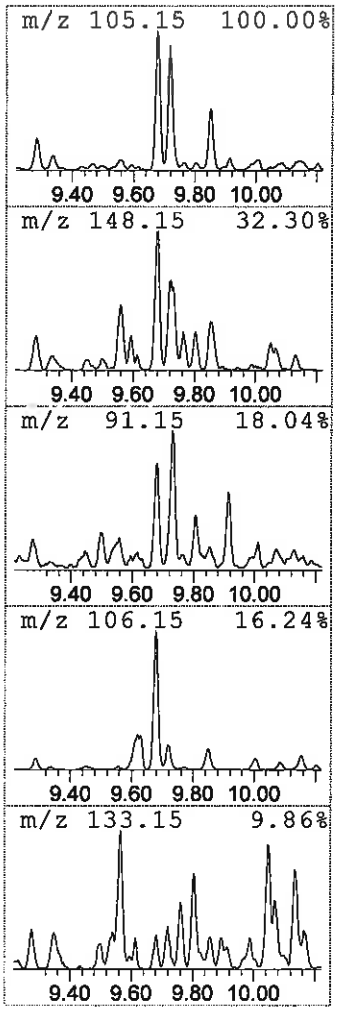
TIC Library : C:\Database\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, (1,2-dimethylpropyl)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.718	32.21 ppb	742299	1,4-Dichlorobenzene-d4	8.742

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,2-dimethylpropyl)-	148	C11H16	004481-30-5	50
2	Benzene, (1-methylbutyl)-	148	C11H16	002719-52-0	47
3	Benzene, (1-methylbutyl)-	148	C11H16	002719-52-0	47
4	Benzene, (1,2-dimethylpropyl)-	148	C11H16	004481-30-5	40
5	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	38





Data Path : D:\DATA\140211\
Data File : TS140211013.D
Acq On : 11 Feb 2014 8:02 pm
Operator : TP
Sample : 1400314-04
Misc : 50 B4B0138 5g/5mL MeOH -> 100uL
ALS Vial : 11 Sample Multiplier: 1

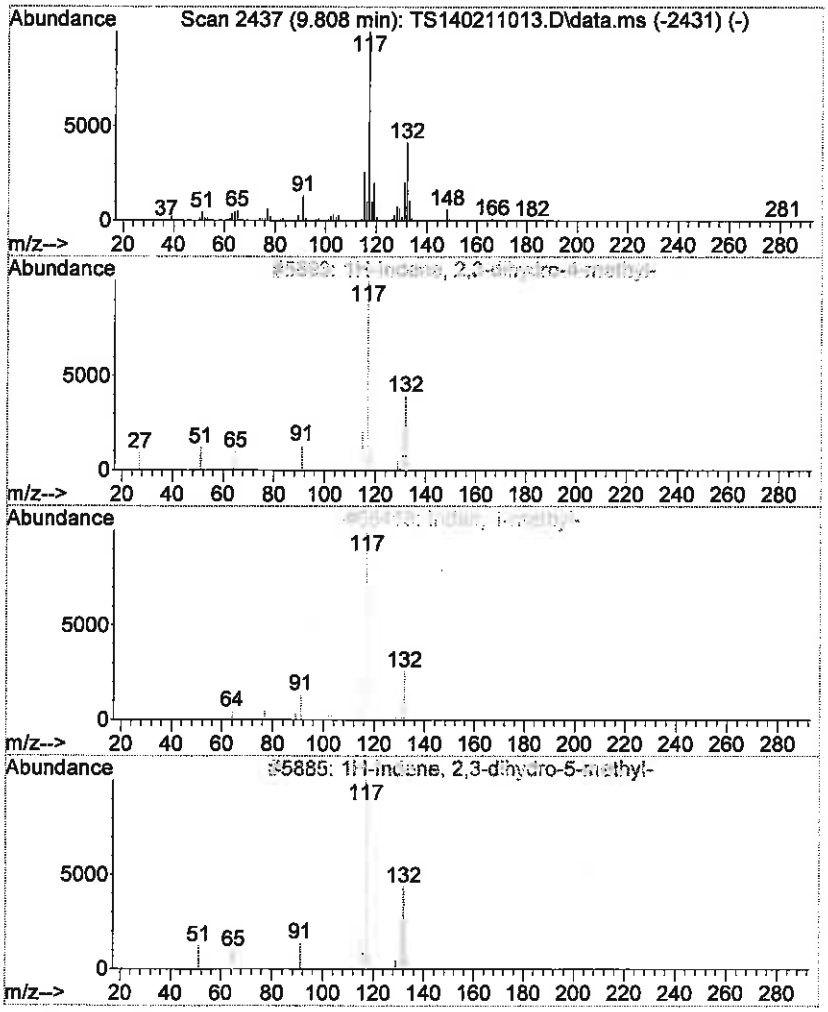
Quant Method : C:\msdchem\1\METHODS\TS140210.M
Quant Title : VOC 624/8260B Advanced Technology Laboratory

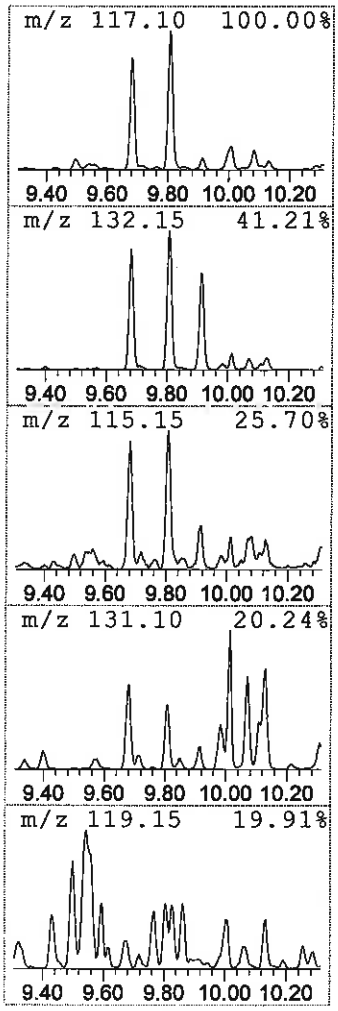
TIC Library : C:\Database\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.808	39.32 ppb	906062	1,4-Dichlorobenzene-d4	8.742

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
2	Indan, 1-methyl-	132	C10H12	000767-58-8	81
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	81
4	2,3-Dihydro-1-methylindene	132	C10H12	027133-93-3	81
5	Benzene, (1-methyl-1-propenyl)-, ...	132	C10H12	000767-99-7	80





Data Path : D:\DATA\140211\
Data File : TS140211013.D
Acq On : 11 Feb 2014 8:02 pm
Operator : TP
Sample : 1400314-04
Misc : 50 B4B0138 5g/5mL MeOH -> 100uL
ALS Vial : 11 Sample Multiplier: 1

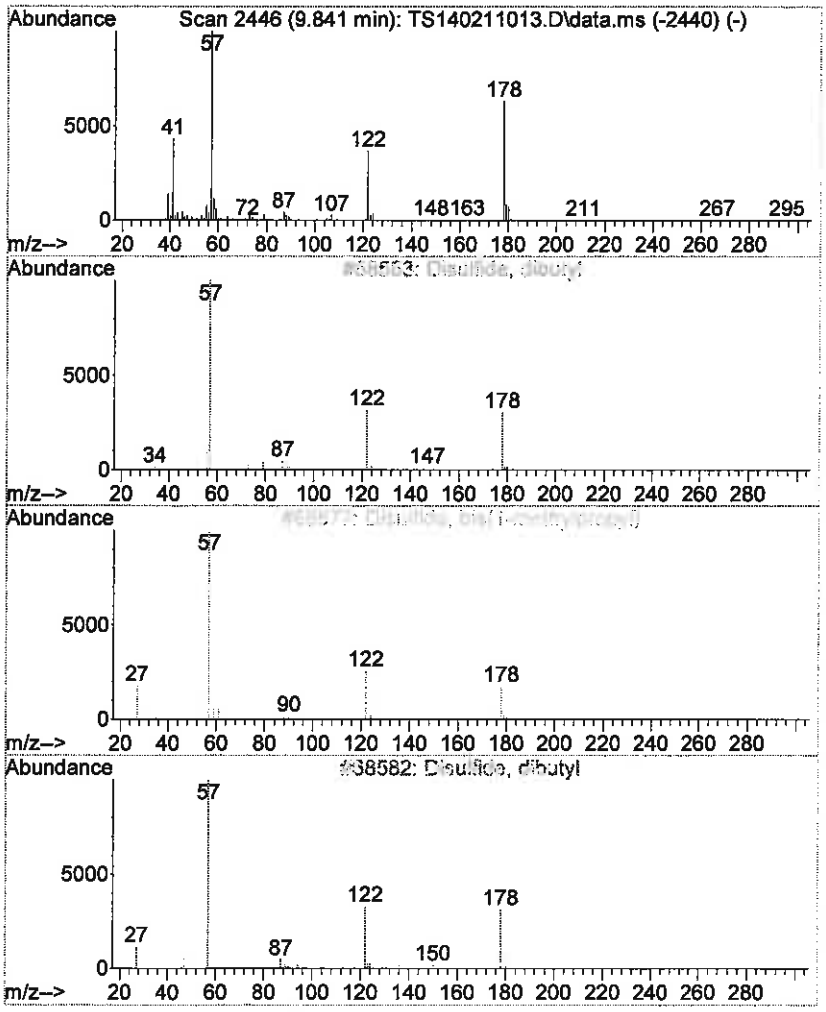
Quant Method : C:\msdchem\1\METHODS\TS140210.M
Quant Title : VOC 624/8260B Advanced Technology Laboratory

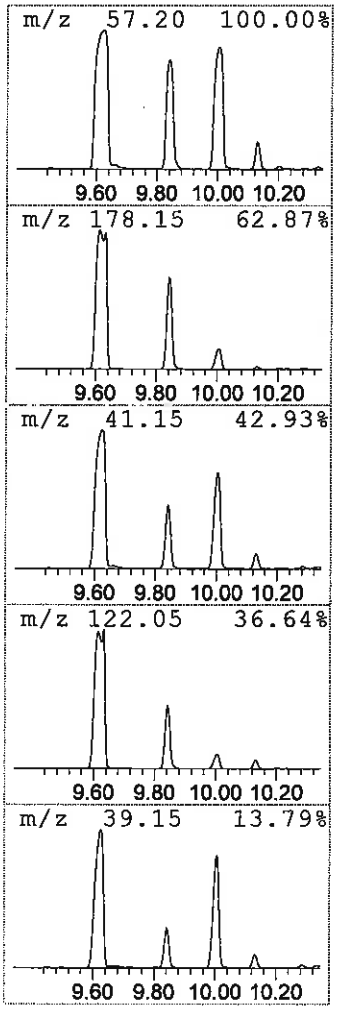
TIC Library : C:\Database\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Disulfide, dibutyl Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.841	602.33 ppb	13879700	1,4-Dichlorobenzene-d4	8.742

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Disulfide, dibutyl	178	C8H18S2	000629-45-8	87
2	Disulfide, bis(1-methylpropyl)	178	C8H18S2	005943-30-6	87
3	Disulfide, dibutyl	178	C8H18S2	000629-45-8	83
4	Di-tert-butyl disulfide	178	C8H18S2	000110-06-5	74
5	Disulfide, butyl (1,1-dimethylet...	178	C8H18S2	072437-55-9	58





Library Search Compound Report

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Acq On    : 11 Feb 2014   8:02 pm
Operator  : TP
Sample    : 1400314-04
Misc      : 50 B4B0138 5g/5mL MeOH -> 100uL
ALS Vial  : 11   Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TS140210.M
Quant Title  : VOC 624/8260B Advanced Technology Laboratory

TIC Library    : C:\Database\NBS75K.L
TIC Integration Parameters: LSCINT.P
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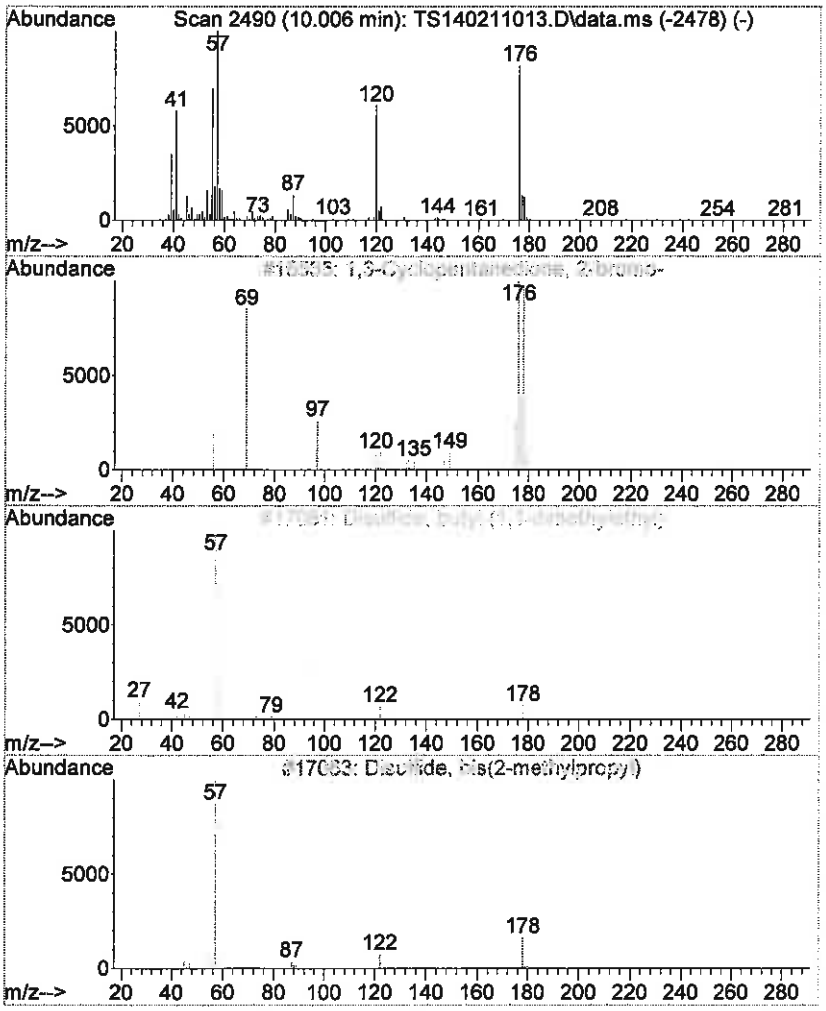
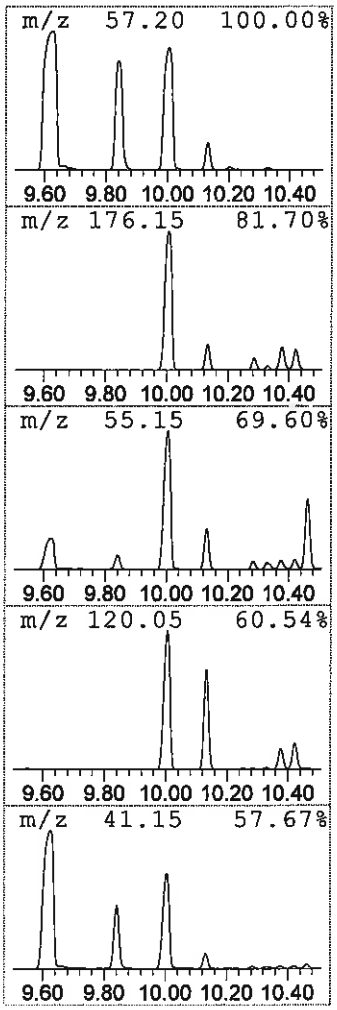
****

Peak Number 12 1,3-Cyclopentanedione, 2-br... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.006	1358.67 ppb	31308700	1,4-Dichlorobenzene-d4	8.742

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentanedione, 2-bromo-	176	C5H5BrO2	014203-24-8	17
2	Disulfide, butyl (1,1-dimethylet...	178	C8H18S2	072437-55-9	10
3	Disulfide, bis(2-methylpropyl)	178	C8H18S2	001518-72-5	10
4	7-Methoxy-1-tetralone	176	C11H12O2	006836-19-7	9
5	Benzofuran, 2,3-dihydro-	120	C8H8O	000496-16-2	9





Data Path : D:\DATA\140211\
Data File : TS140211013.D
Acq On : 11 Feb 2014 8:02 pm
Operator : TP
Sample : 1400314-04
Misc : 50 B4B0138 5g/5mL MeOH -> 100uL
ALS Vial : 11 Sample Multiplier: 1

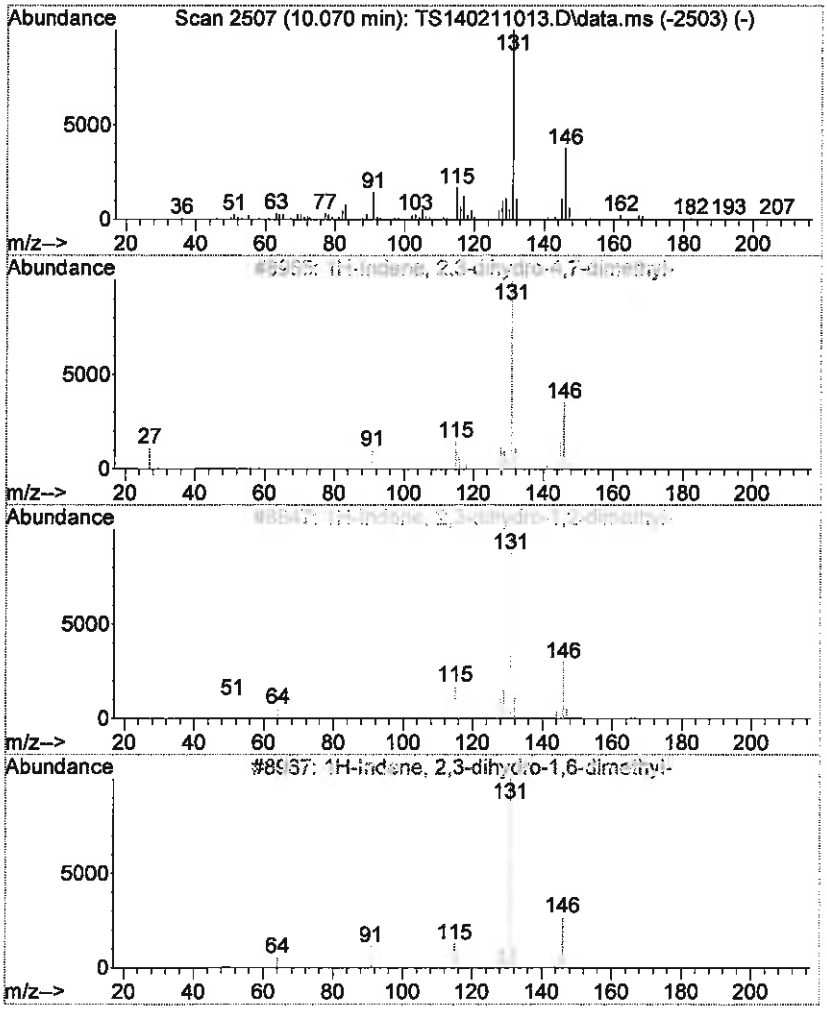
Quant Method : C:\msdchem\1\METHODS\TS140210.M
Quant Title : VOC 624/8260B Advanced Technology Laboratory

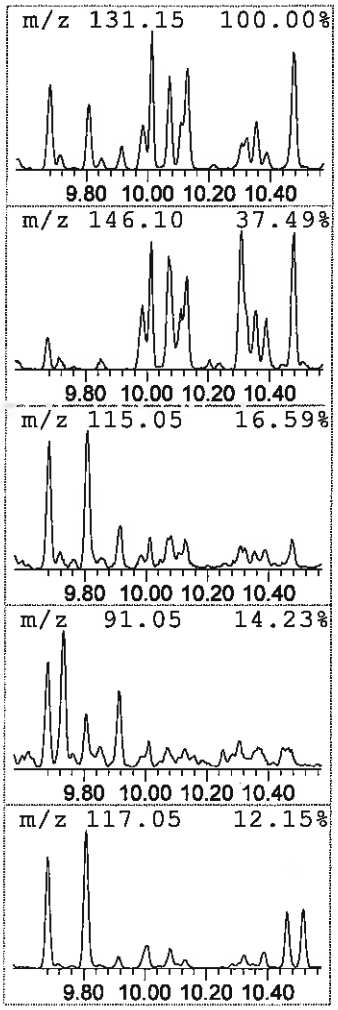
TIC Library : C:\Database\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.070	24.62 ppb	567296	1,4-Dichlorobenzene-d4	8.742

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	90
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	90





Data Path : D:\DATA\140211\
Data File : TS140211013.D
Acq On : 11 Feb 2014 8:02 pm
Operator : TP
Sample : 1400314-04
Misc : 50 B4B0138 5g/5mL MeOH -> 100uL
ALS Vial : 11 Sample Multiplier: 1

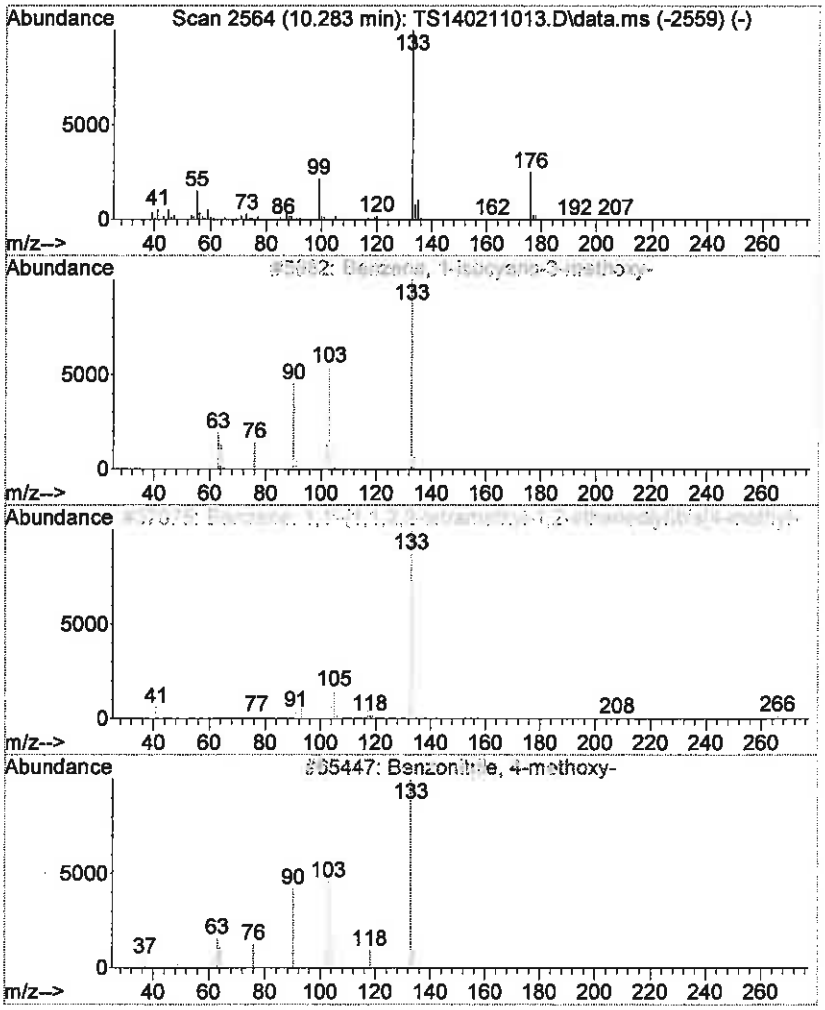
Quant Method : C:\msdchem\1\METHODS\TS140210.M
Quant Title : VOC 624/8260B Advanced Technology Laboratory

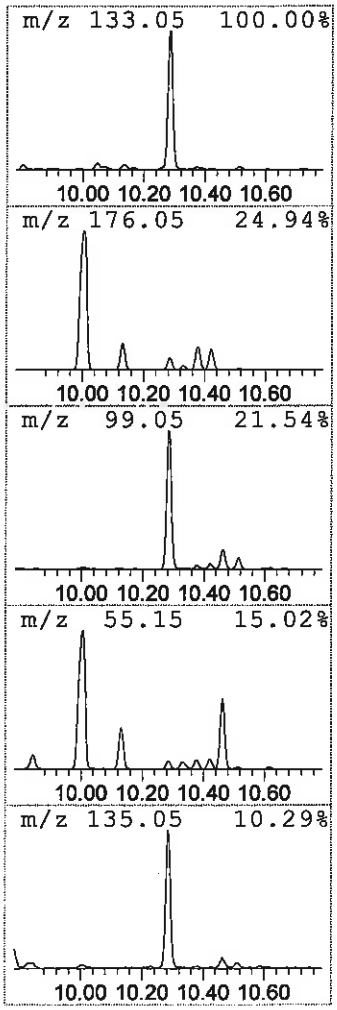
TIC Library : C:\Database\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Benzene, 1-isocyano-3-methoxy- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.283	113.00 ppb	2603960	1,4-Dichlorobenzene-d4	8.742

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-isocyano-3-methoxy-	133	C8H7NO	020600-55-9	9
2	Benzene, 1,1'-(1,1,2,2-tetrameth...	266	C20H26	000734-17-8	9
3	Benzonitrile, 4-methoxy-	133	C8H7NO	000874-90-8	7
4	Rhodanine	133	C3H3NOS2	000141-84-4	7
5	Rhodanine	133	C3H3NOS2	000141-84-4	7





Data Path : D:\DATA\140211\
Data File : TS140211013.D
Acq On : 11 Feb 2014 8:02 pm
Operator : TP
Sample : 1400314-04
Misc : 50 B4B0138 5g/5mL MeOH -> 100uL
ALS Vial : 11 Sample Multiplier: 1

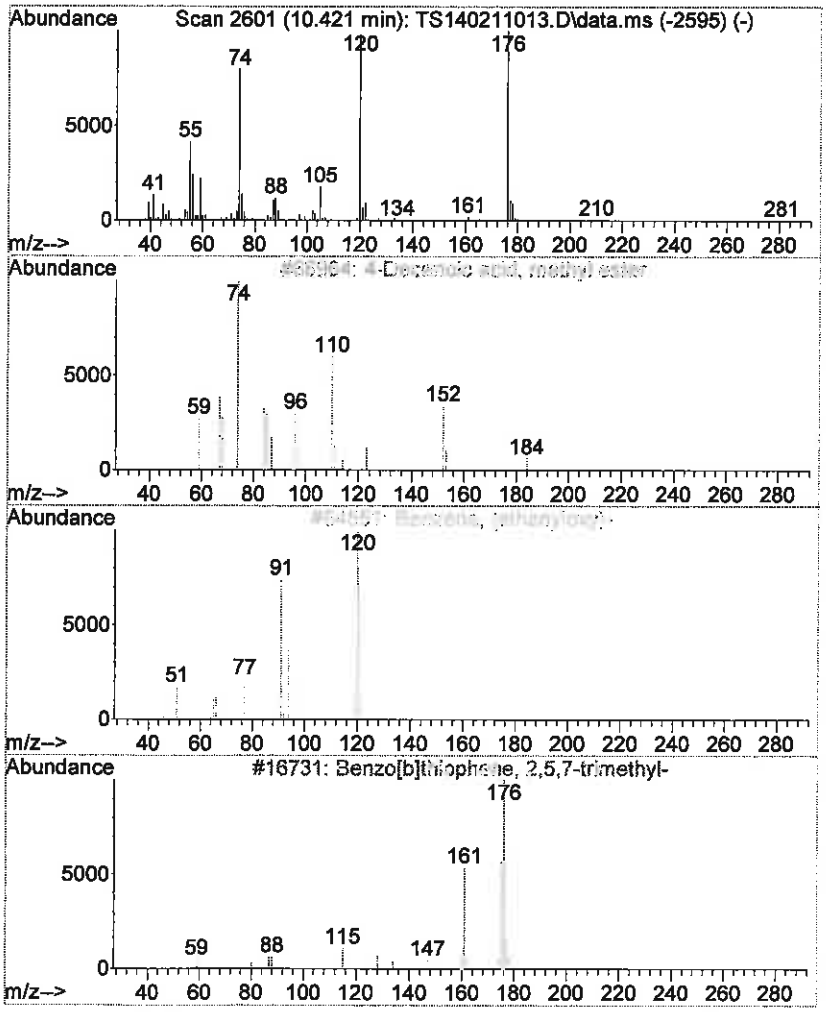
Quant Method : C:\msdchem\1\METHODS\TS140210.M
Quant Title : VOC 624/8260B Advanced Technology Laboratory

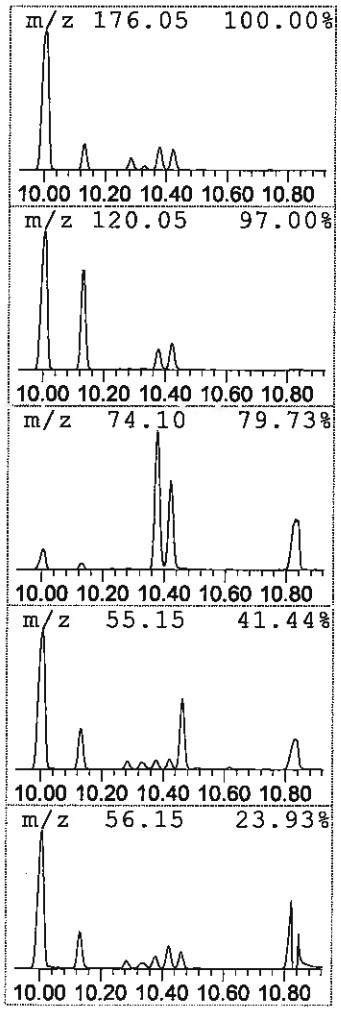
TIC Library : C:\Database\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 4-Decenoic acid, methyl ester Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.421	111.42 ppb	2567600	1,4-Dichlorobenzene-d4	8.742

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Decenoic acid, methyl ester	184	C11H20O2	001191-02-2	14
2	Benzene, (ethenyloxy)-	120	C8H8O	000766-94-9	9
3	Benzo[b]thiophene, 2,5,7-trimethyl-	176	C11H12S	016587-65-8	9
4	Benzene, 2-(2-methoxy-1-propenyl...	176	C12H16O	053291-93-3	9
5	Benzenamine, N-(2,2-dimethylprop...	177	C12H19N	053927-61-0	9





Data Path : D:\DATA\140211\
Data File : TS140211013.D
Acq On : 11 Feb 2014 8:02 pm
Operator : TP
Sample : 1400314-04
Misc : 50 B4B0138 5g/5mL MeOH -> 100uL
ALS Vial : 11 Sample Multiplier: 1

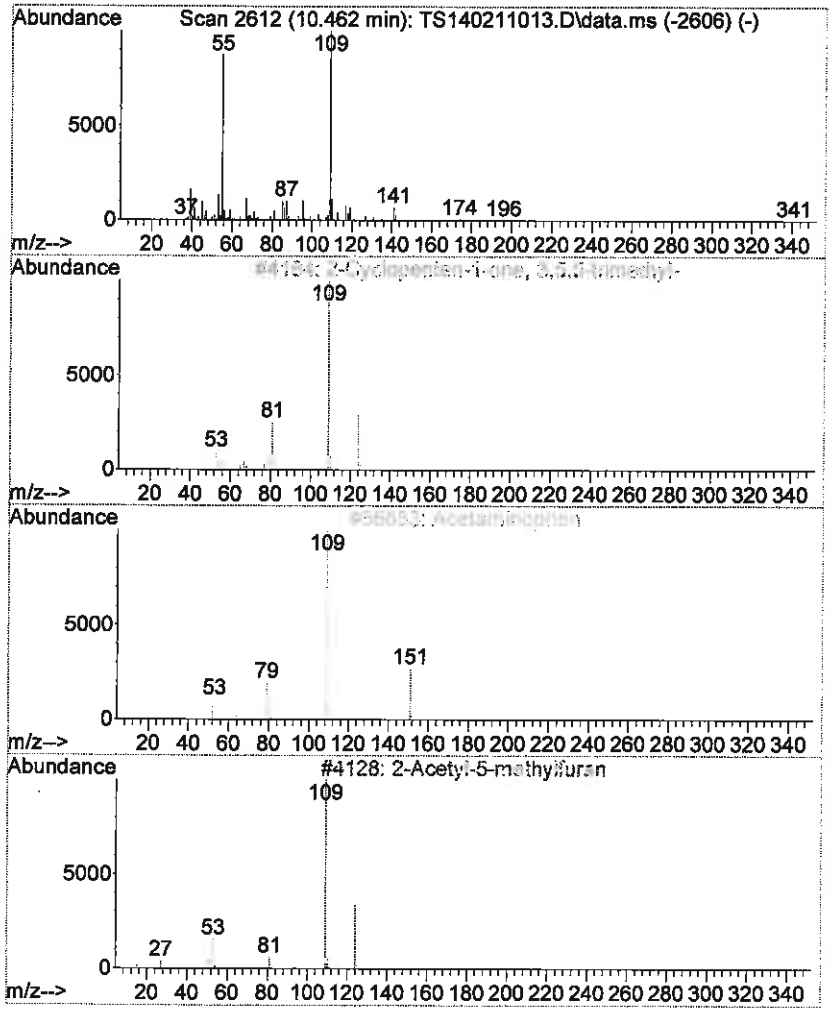
Quant Method : C:\msdchem\1\METHODS\TS140210.M
Quant Title : VOC 624/8260B Advanced Technology Laboratory

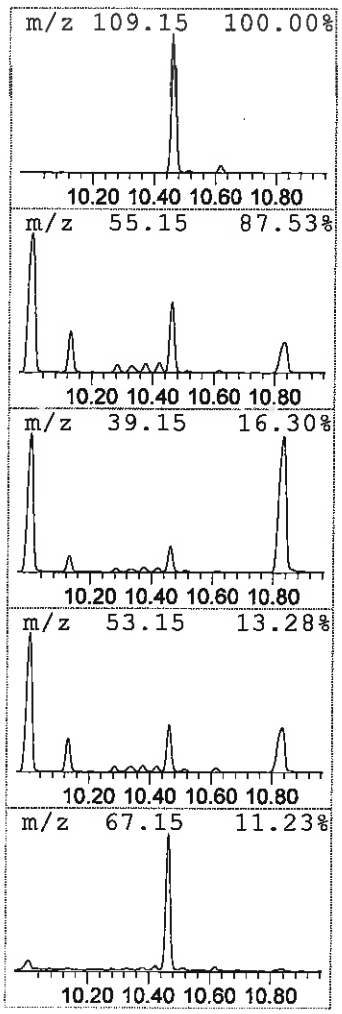
TIC Library : C:\Database\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 2-Cyclopenten-1-one, 3,5,5-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.463	264.57 ppb	6096640	1,4-Dichlorobenzene-d4	8.742

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyclopenten-1-one, 3,5,5-trime...	124	C8H12O	024156-95-4	28
2	Acetaminophen	151	C8H9NO2	000103-90-2	25
3	2-Acetyl-5-methylfuran	124	C7H8O2	001193-79-9	23
4	Phenol, 2-amino-	109	C6H7NO	000095-55-6	9
5	Bicyclo[2.2.1]hept-2-en-2-amine,...	137	C9H15N	041455-23-6	9





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Acq On : 11 Feb 2014 8:02 pm
Operator : TP
Sample : 1400314-04
Misc : 50 B4B0138 5g/5mL MeOH -> 100uL
ALS Vial : 11 Sample Multiplier: 1

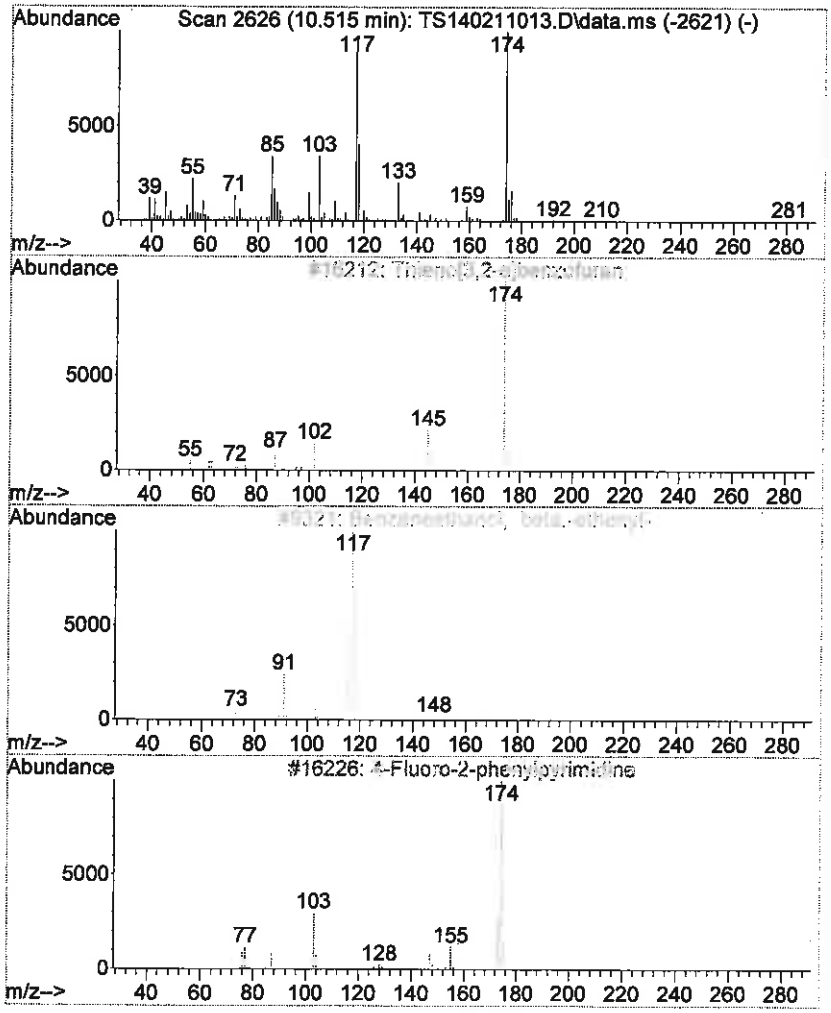
Quant Method : C:\msdchem\1\METHODS\TS140210.M
Quant Title : VOC 624/8260B Advanced Technology Laboratory

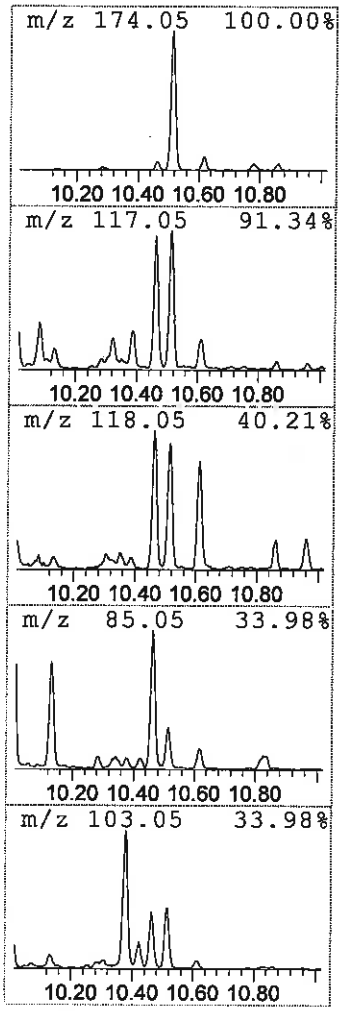
TIC Library : C:\Database\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Thieno[3,2-e]benzofuran Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.515	35.68 ppb	822284	1,4-Dichlorobenzene-d4	8.742

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thieno[3,2-e]benzofuran	174	C10H6OS	000438-27-7	14
2	Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	12
3	4-Fluoro-2-phenylpyrimidine	174	C10H7FN2	051421-91-1	12
4	4,5-Difluoro-2-nitroaniline	174	C6H4F2N2O2	078056-39-0	9
5	3H-Pyrazol-3-one, 2,4-dihydro-2-...	174	C10H10N2O	041927-50-8	9





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Acq On : 11 Feb 2014 8:02 pm
Operator : TP
Sample : 1400314-04
Misc : 50 B4B0138 5g/5mL MeOH -> 100uL
ALS Vial : 11 Sample Multiplier: 1

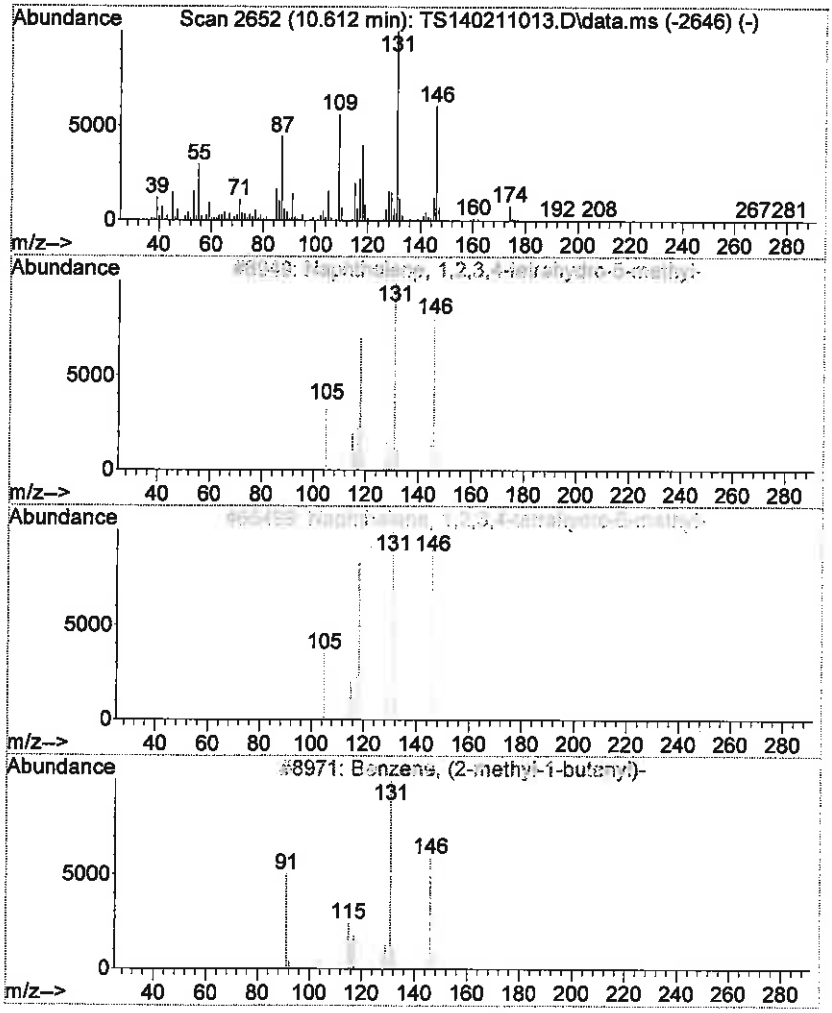
Quant Method : C:\msdchem\1\METHODS\TS140210.M
Quant Title : VOC 624/8260B Advanced Technology Laboratory

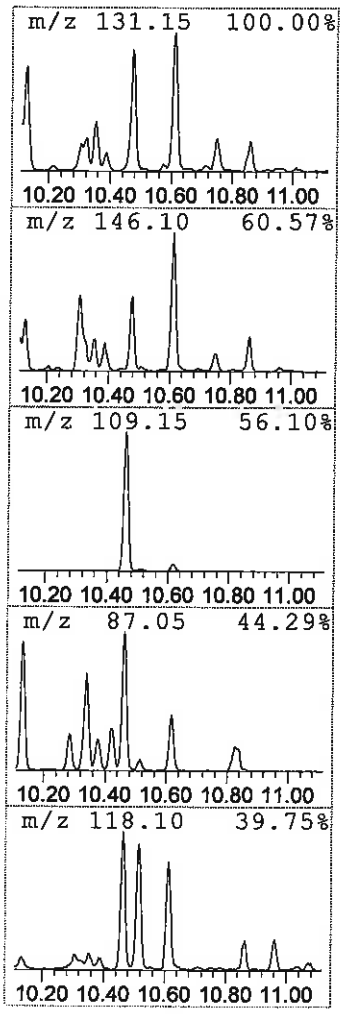
TIC Library : C:\Database\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.612	40.05 ppb	922829	1,4-Dichlorobenzene-d4	8.742

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	78
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	60
3	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	60
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	55
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	55





Library Search Compound Report

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Acq On : 11 Feb 2014 8:02 pm
Operator : TP
Sample : 1400314-04
Misc : 50 B4B0138 5g/5mL MeOH -> 100uL
ALS Vial : 11 Sample Multiplier: 1

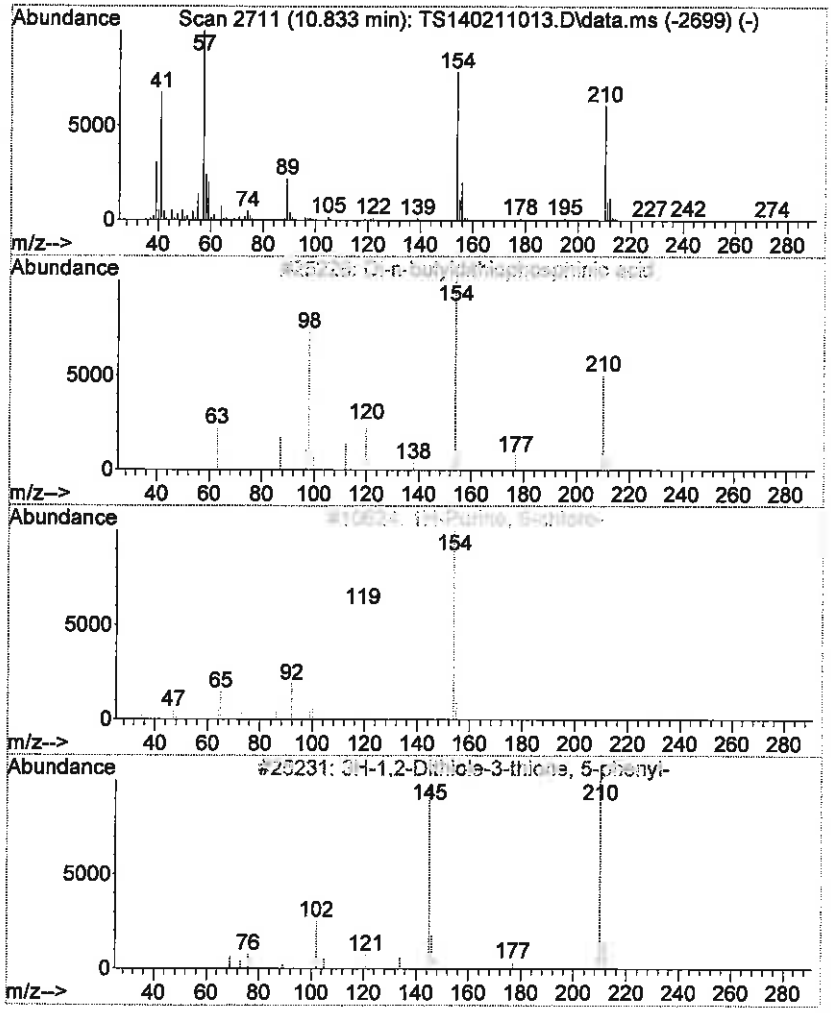
Quant Method : C:\msdchem\1\METHODS\TS140210.M
Quant Title : VOC 624/8260B Advanced Technology Laboratory

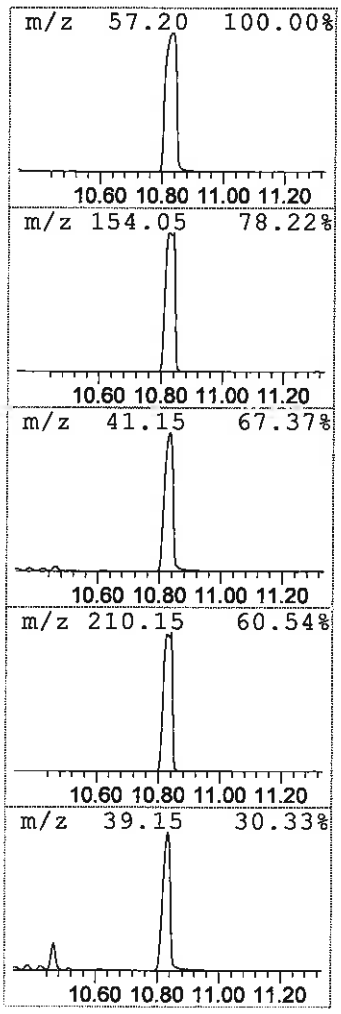
TIC Library : C:\Database\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Di-n-butyldithiophosphinic ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.833	1805.44 ppb	41603700	1,4-Dichlorobenzene-d4	8.742

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Di-n-butyldithiophosphinic acid	210	C8H19PS2	000000-00-0	38
2	1H-Purine, 6-chloro-	154	C5H3ClN4	000087-42-3	16
3	3H-1,2-Dithiole-3-thione, 5-phenyl-	210	C9H6S3	003445-76-9	9
4	Biphenyl	154	C12H10	000092-52-4	9
5	3H-Indazol-3-one, 1,2-dihydro-1-...	210	C13H10N2O	028561-80-0	9





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Acq On : 11 Feb 2014 8:02 pm
Operator : TP
Sample : 1400314-04
Misc : 50 B4B0138 5g/5mL MeOH -> 100uL
ALS Vial : 11 Sample Multiplier: 1

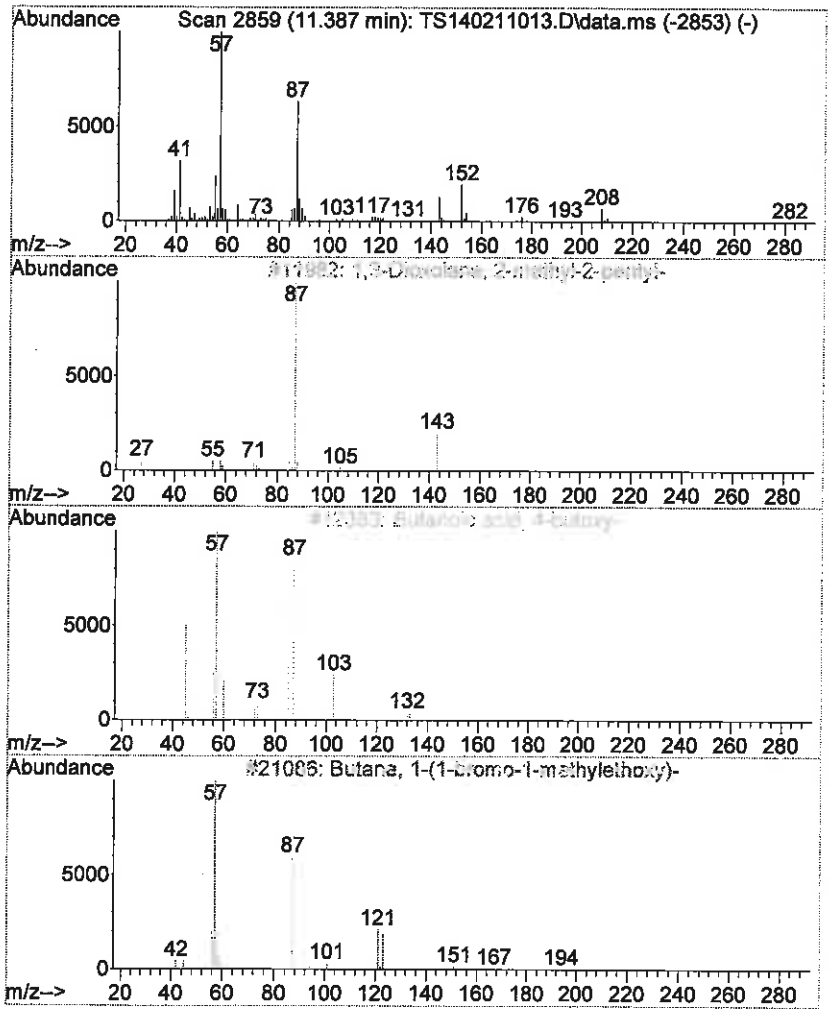
Quant Method : C:\msdchem\1\METHODS\TS140210.M
Quant Title : VOC 624/8260B Advanced Technology Laboratory

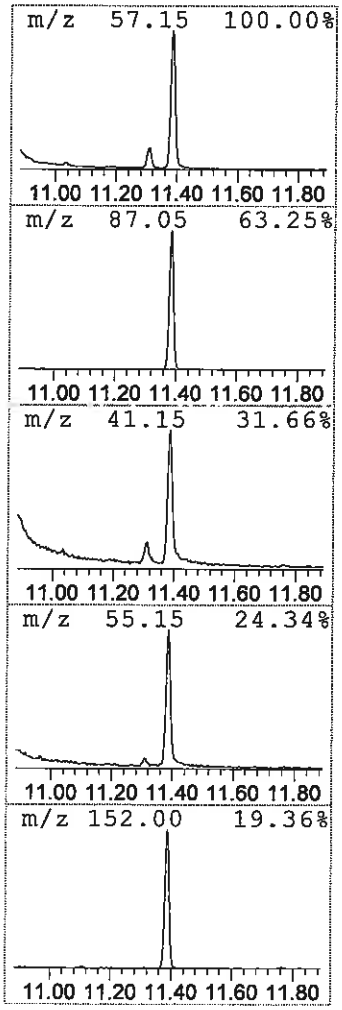
TIC Library : C:\Database\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 1,3-Dioxolane, 2-methyl-2-p... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.387	46.31 ppb	1067230	1,4-Dichlorobenzene-d4	8.742

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dioxolane, 2-methyl-2-pentyl-	158	C9H18O2	004352-95-8	27
2	Butanoic acid, 4-butoxy-	160	C8H16O3	055724-73-7	25
3	Butane, 1-(1-bromo-1-methylethoxy)-	194	C7H15BrO	054833-04-4	23
4	Phosphorothioic acid, O,O-dimeth...	287	C8H18NO4PS2	002275-23-2	17
5	Heptanoic acid, 2-propyl-, methy...	186	C11H22O2	056247-53-1	17





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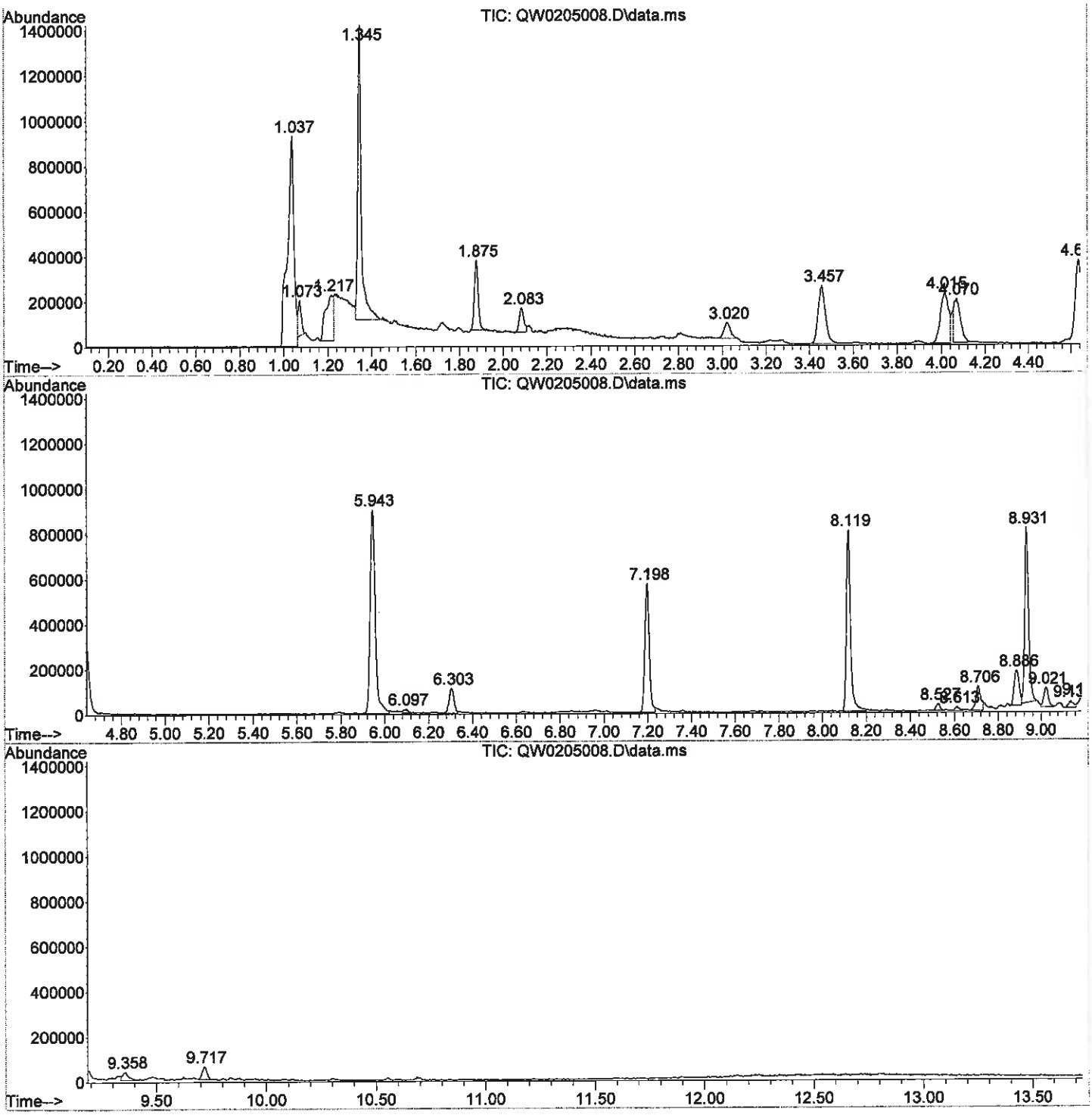
Data File : QW0205008.D
Acq On : 5 Feb 2014 7:17 pm
Operator : DP
Sample : 1400314-05
Misc : 1 B4B0052 D
ALS Vial : 4 Sample Multiplier: 1

Quant Method : C:\MSDChem\1\METHODS\QW131106.M
Quant Title : VOC 624/8260B Advanced Technology Laboratory

TIC Library : C:\Database\NBS75K.L
TIC Integration Parameters: LSCINT.P



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Sample : 1400314-05
Misc : 1 B4B0052 D
ALS Vial : 4 Sample Multiplier: 1

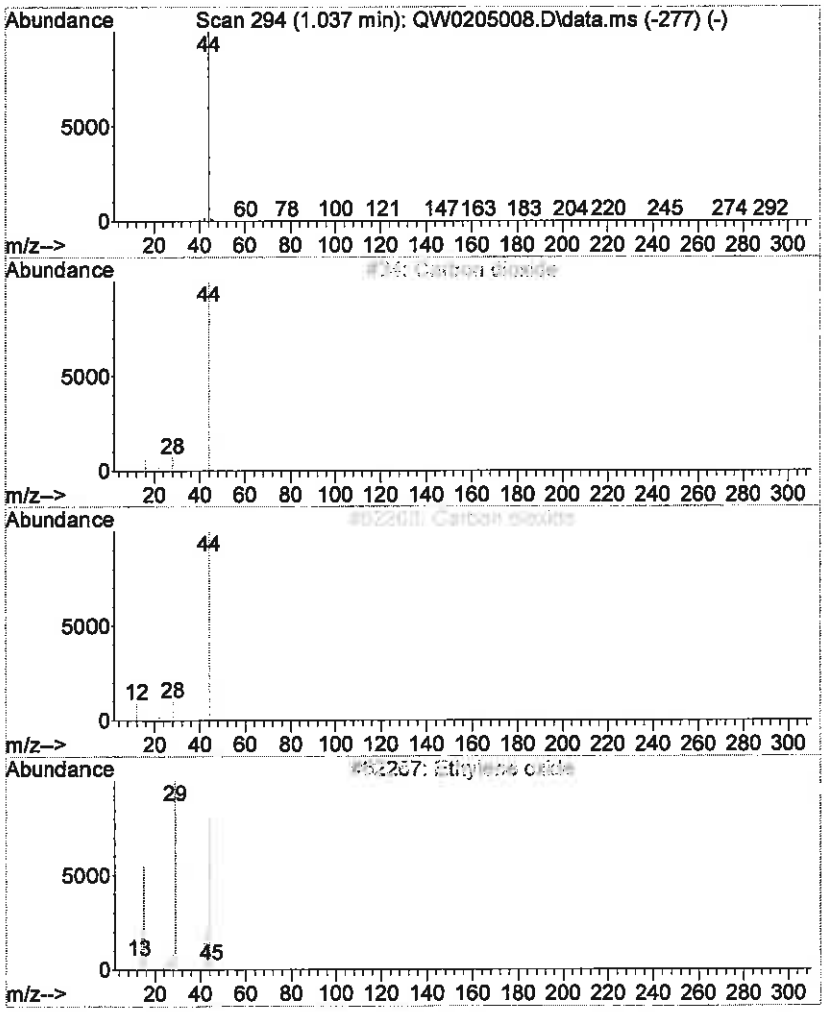
Quant Method : C:\MSDChem\1\METHODS\QW131106.M
Quant Title : VOC 624/8260B Advanced Technology Laboratory

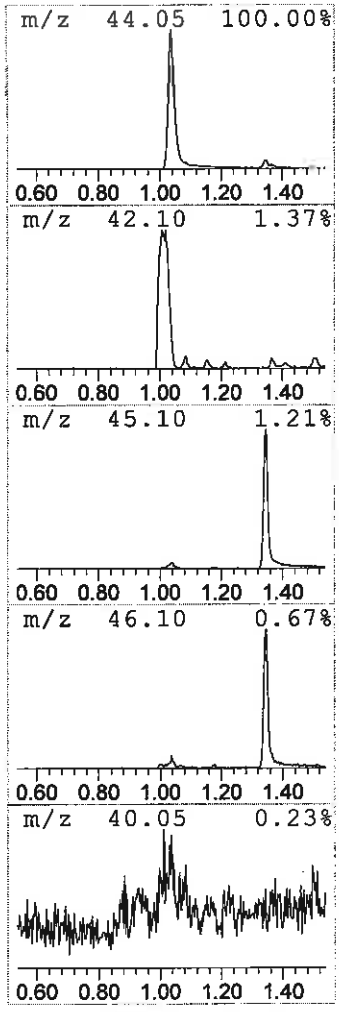
TIC Library : C:\Database\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.037	81.46 ppb	1899590	Pentafluorobenzene	4.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Carbon dioxide	44	CO2	000124-38-9	4
3	Ethylene oxide	44	C2H4O	000075-21-8	3
4	Ethylene oxide	44	C2H4O	000075-21-8	3
5	Nitrous Oxide	44	N2O	010024-97-2	3





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Acq On : 5 Feb 2014 7:17 pm
Operator : DP
Sample : 1400314-05
Misc : 1 B4B0052 D
ALS Vial : 4 Sample Multiplier: 1

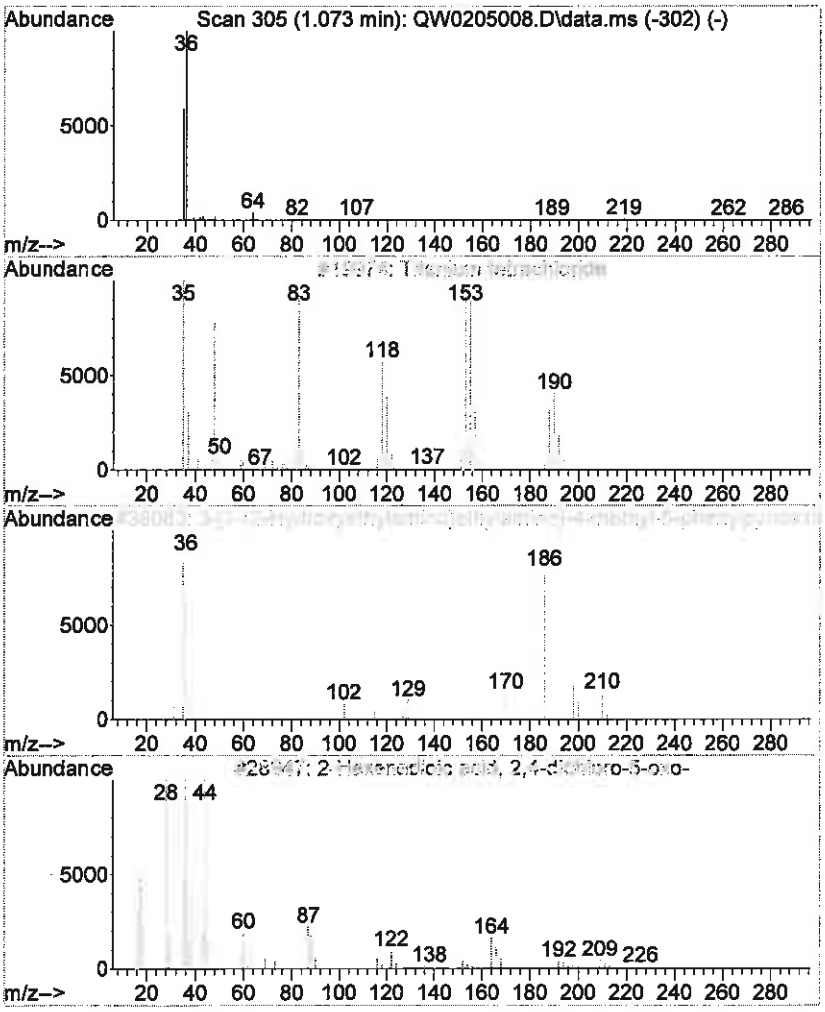
Quant Method : C:\MSDChem\1\METHODS\QW131106.M
Quant Title : VOC 624/8260B Advanced Technology Laboratory

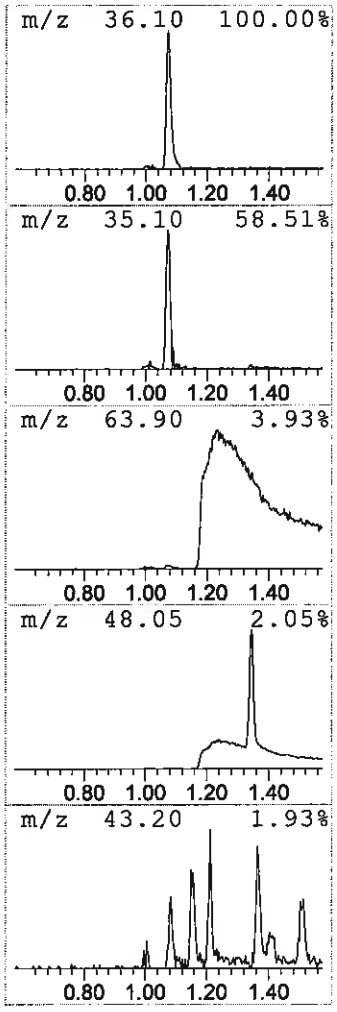
TIC Library : C:\Database\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Titanium tetrachloride Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.073	6.33 ppb	147567	Pentafluorobenzene	4.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Titanium tetrachloride	188	Cl4Ti	007550-45-0	4
2	3-[2-(2-Hydroxyethylamino)ethyla...	272	C15H20N4O	000000-00-0	2
3	2-Hexenedioic acid, 2,4-dichloro...	226	C6H4Cl2O5	056771-78-9	2
4	Phosphorimidic trichloride, [(tr...	267	CCl3F3NOPS	051735-87-6	2
5	Hydrochloric Acid	36	HCl	007647-01-0	2





Library Search Compound Report

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Acq On : 5 Feb 2014 7:17 pm
Operator : DP
Sample : 1400314-05
Misc : 1 B4B0052 D
ALS Vial : 4 Sample Multiplier: 1

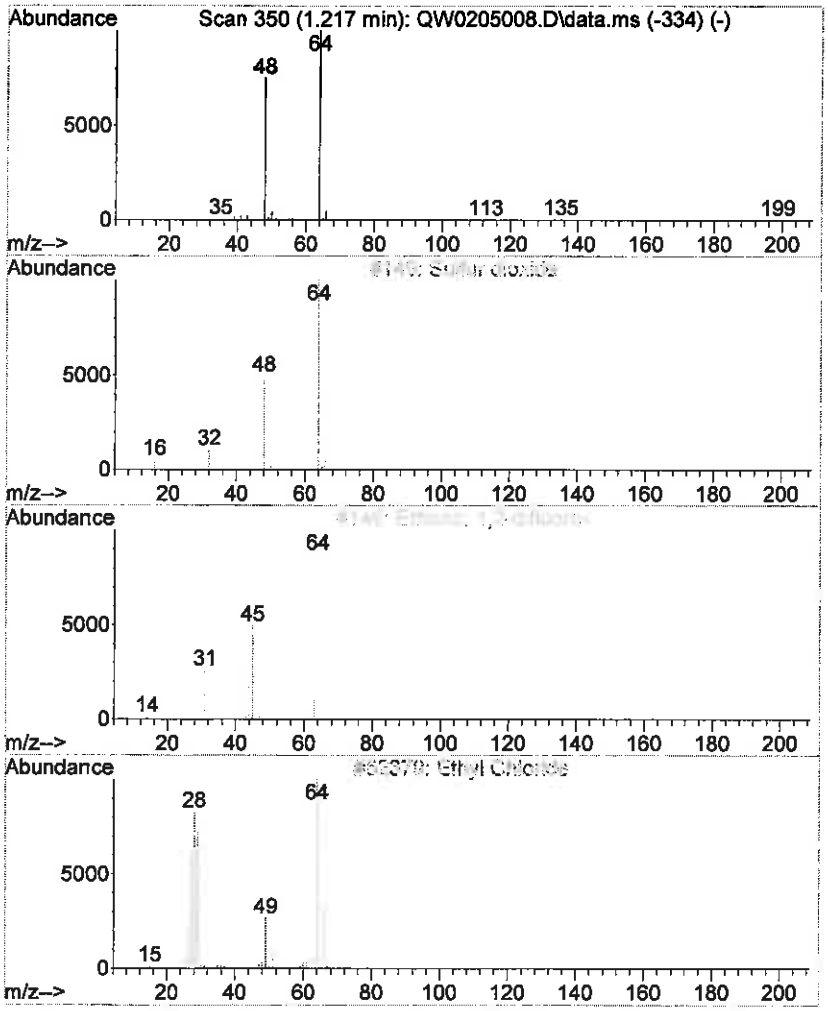
Quant Method : C:\MSDChem\1\METHODS\QW131106.M
Quant Title : VOC 624/8260B Advanced Technology Laboratory

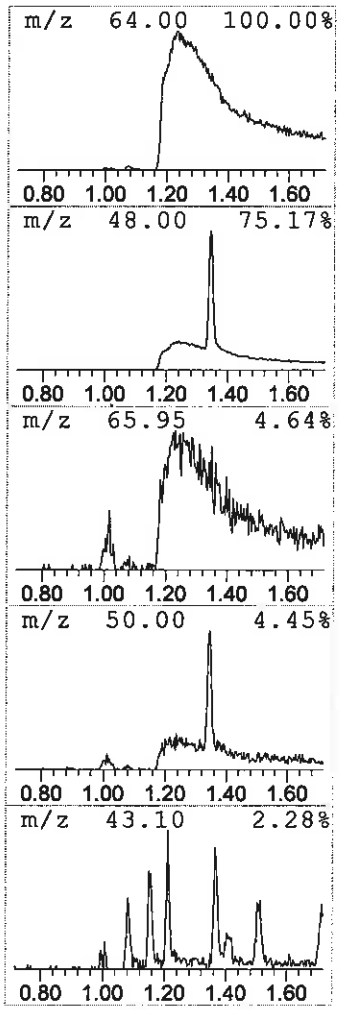
TIC Library : C:\Database\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Sulfur dioxide Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.217	21.76 ppb	507431	Pentafluorobenzene	4.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	9
2	Ethene, 1,2-difluoro-	64	C2H2F2	001691-13-0	4
3	Ethyl Chloride	64	C2H5Cl	000075-00-3	3
4	Ethyl Chloride	64	C2H5Cl	000075-00-3	3
5	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	3





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Sample : 1400314-05
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ALS Vial : 4 Sample Multiplier: 1

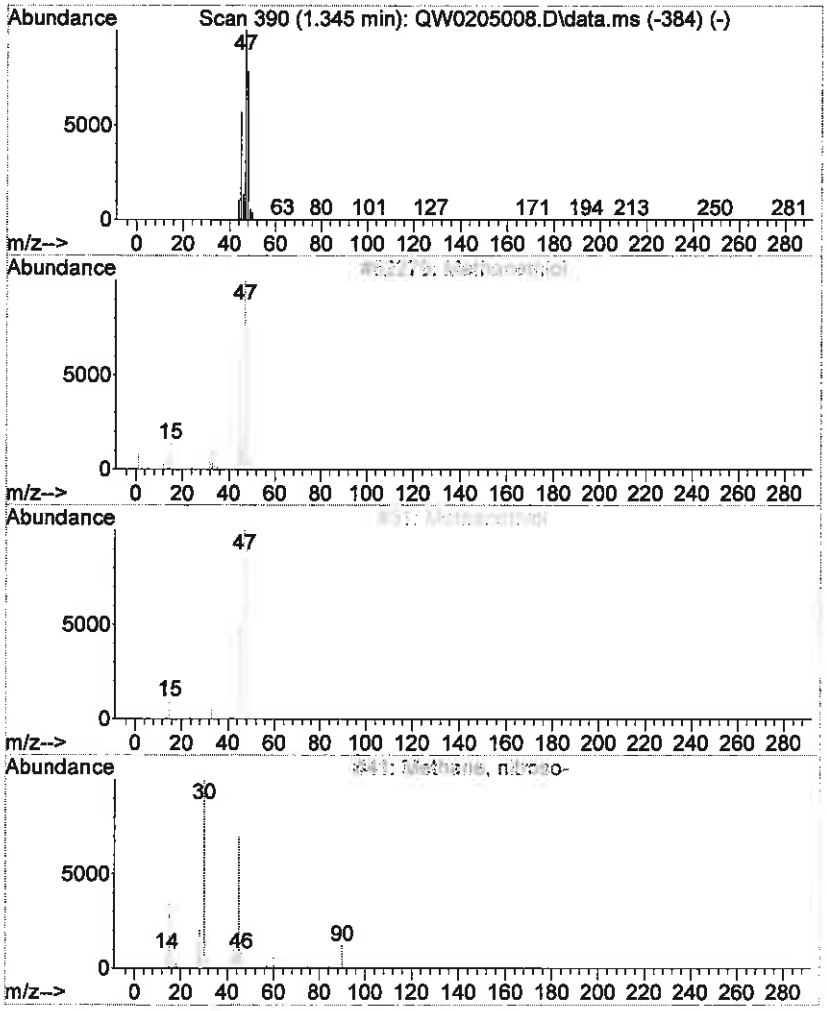
Quant Method : C:\MSDChem\1\METHODS\QW131106.M
Quant Title : VOC 624/8260B Advanced Technology Laboratory

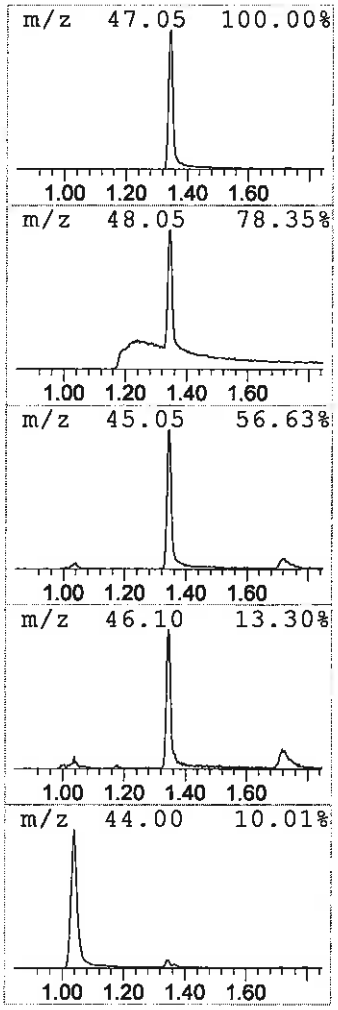
TIC Library : C:\Database\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Methanethiol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.345	63.92 ppb	1490370	Pentafluorobenzene	4.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methanethiol	48	CH4S	000074-93-1	91
2	Methanethiol	48	CH4S	000074-93-1	90
3	Methane, nitroso-	45	CH3NO	000865-40-7	5
4	Ethane, fluoro-	48	C2H5F	000353-36-6	4
5	Ethane, fluoro-	48	C2H5F	000353-36-6	4





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ALS Vial : 4 Sample Multiplier: 1

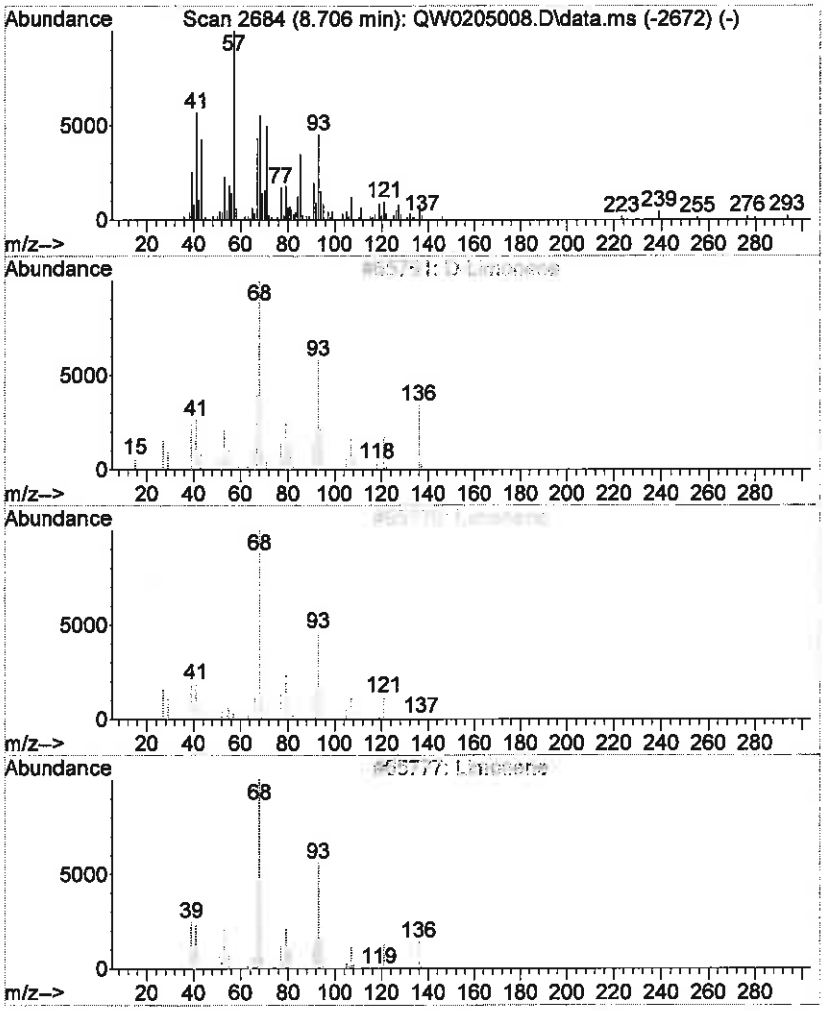
Quant Method : C:\MSDChem\1\METHODS\QW131106.M
Quant Title : VOC 624/8260B Advanced Technology Laboratory

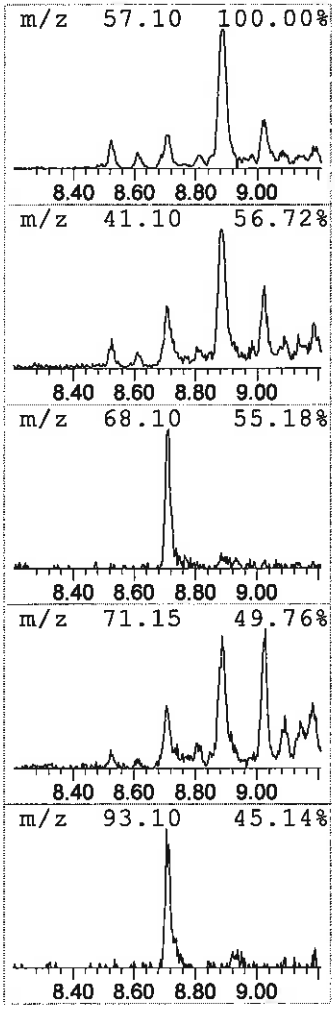
TIC Library : C:\Database\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 D-Limonene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.706	4.32 ppb	170926	1,4-Dichlorobenzene-d4	8.931

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	55
2	Limonene	136	C10H16	000138-86-3	49
3	Limonene	136	C10H16	000138-86-3	46
4	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	38
5	Limonene	136	C10H16	000138-86-3	38





Library Search Compound Report

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Sample : 1400314-05
Misc : 1 B4B0052 D
ALS Vial : 4 Sample Multiplier: 1

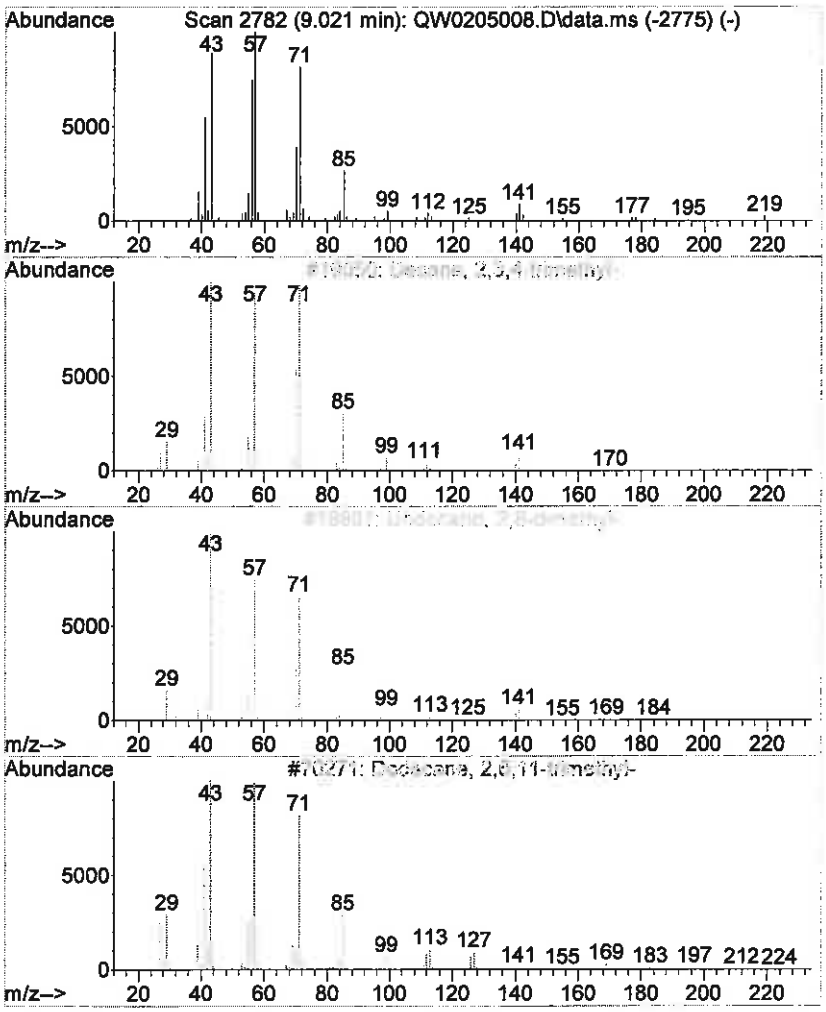
Quant Method : C:\MSDChem\1\METHODS\QW131106.M
Quant Title : VOC 624/8260B Advanced Technology Laboratory

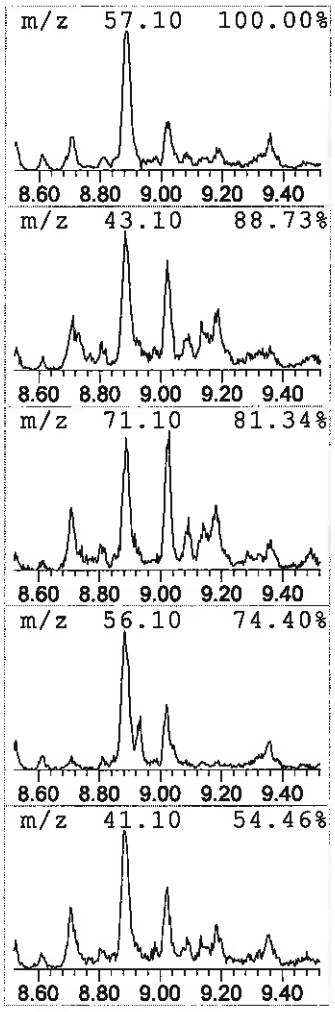
TIC Library : C:\Database\NBS75K.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Decane, 2,3,4-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.021	3.27 ppb	129226	1,4-Dichlorobenzene-d4	8.931

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,3,4-trimethyl-	184	C13H28	062238-15-7	52
2	Undecane, 2,8-dimethyl-	184	C13H28	017301-25-6	47
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	47
4	2,2,6,6-Tetramethylheptane	156	C11H24	040117-45-1	43
5	Hexane, 2,4,4-trimethyl-	128	C9H20	016747-30-1	43





ES-F10 CHAIN OF CUSTODY

PROJECT NAME: Mercury Cleaners

PROJECT NO.: 04.72120008 Phase 1 — LAB: ATL

PROJECT CONTACT: MDANNA / JALEXANDER — **TURNAROUND: 5 day TAT**

SAMPLED BY: MDANNA

LABORATORY I.D. NUMBER	FIELD SAMPLE I.D.	MATRIX: WATER	MATRIX: PRODUCT	MATRIX: AIR	MATRIX: SLUDGE	CONTAINERS: VOA	CONTAINERS: LITER	CONTAINERS: POLY	CONTAINERS: TUBE	CONTAINERS: GLASS JAR	PRESERVATIVE: HCL	PRESERVATIVE: H_2SO_4	PRESERVATIVE: HNO_3	PRESERVATIVE: ICE	PRESERVATIVE: OTHER	PRESERVATIVE: NONE	SAMPLING DATE: MONTH	DAY	YEAR	TIME	Notes	ANALYSIS REQUESTED: TPHg 8015	TPHd, Stoddard Solvent 8015	VOCs 8260 including Naphthalene	Tetnatively Identified Compounds (TIC)	Chromatographs
	EZ-OUT		X			2								X		X	01	13	01	0408		X	X	X	X	X
	GIPOT		X			2								X		X	01	13	01	0409		X	X	X	X	X
	PYRATEX		X			2								X		X	01	13	01	1020		X	X	X	X	X
	LUBRIPLATE		X			2								X		X	01	13	01	1015		X	X	X	X	X
	Drain	X				6	1				all voas			X		1 liter	01	13	01	1115		X	X	X	X	X

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]	1/31/14 1532	C. Aguila [signature]	2/3/14 830

COMMENTS & NOTES:

FUGRO CONSULTANTS, INC.
1000 Broadway, Suite 440
Oakland, California 94607
Tel: 510.268.0461 Fax: 510.268.0545

Approved by Glenn Young, Enviromental Services Manager, Fugro Consultants Inc., December 2011
Note: If this is a printed copy, please check the online QMS to ensure that it is the latest version.

1.1°C

APPENDIX F
SCA'S HAZARDOUS BUILDING MATERIAL SURVEY

SCA

ENVIRONMENTAL, INC.

Engineering and Environmental Consultants

February 6, 2014

Jeriann Alexander
Fugro Consultants, Inc. (Fugro)
2420 Del Paso Road, Suite 250
Sacramento, CA 95834

RE: Hazardous Materials Survey
Mercury Cleaners, 1419 16th Street, Sacramento, CA
SCA Project No.: F11188

Dear Ms. Alexander:

This letter reports the results of a limited asbestos, lead, and polychlorinated biphenyl (PCB) survey conducted at Mercury Cleaners, 1419 16th Street, Sacramento, California. The building is not currently slated for demolition; however, if demolition is to occur, such as presented herein, the Sacramento Metropolitan Air Quality Management District (SMAQMD) will require a survey to determine if any materials that will be impacted are found to contain asbestos.

The survey was limited to building construction materials only. As the building was occupied at the time of the survey, various inaccessible items such as vapor barriers under the building slab, wall and mirror mastics, etc. were not included in this survey. In addition, Fugro representatives requested that some materials not be sampled and assumed asbestos-containing so as to avoid disturbance and potential leaks (e.g., roofing, wall mastics, etc.). These materials are listed as assumed in the attached abatement work plan and should be treated as asbestos-containing until sampling can be performed to verify asbestos content.

The personnel and laboratories involved in this survey are listed as follows:

1. Sampling was conducted on January 11, 2014 by Dan Leung, CSP, CDPH, CAC# 07-4175, under the supervision of Chuck Siu, CIH, PE, CSP, CAC, CDPH and Christina Codemo, CHMM, CAC, all of SCA.
2. Asbestos samples were analyzed by Asbestos TEM Laboratories in Berkeley, CA. The facility is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP), and the California Environmental Laboratory Accreditation Program (ELAP) for bulk asbestos analysis.
3. Lead and PCB samples were analyzed by McCampbell Analytical Inc. (McCampbell) in Pittsburg, CA, a facility accredited by the California Environmental Laboratory Accreditation Program (ELAP) for such analyses.

1.0 Results

A listing of potentially hazardous materials is presented in Table 1 - Materials Matrix Report in Attachment 1. The laboratory reports are also included herein as an attachment.

1.1 Asbestos Containing Materials

Identified asbestos-containing materials (ACM) identified are presented in Table 1 - Materials Matrix Report in Attachment 1:

1. While inaccessible and not visible, vapor barriers under the building slab and restrooms or areas with drains may be present at the site. These items are recorded as assumed asbestos materials (VAPOR-AAA5 & VAPOR-AAA11) in Table 1.
2. Asbestos (trace level, <1%) was identified in 9”x9” floor tile present in the bathroom in the steam area (FLVCT-16). Given the presence of other asbestos-containing materials in this area requiring abatement, this material shall be assumed to contain >1% asbestos and be abated accordingly.
3. If demolition of the building occurs, the demolition process will render all materials currently listed as Category I and Category II non-friable as Regulated Asbestos Containing Material (RACM). As a result, all materials identified as asbestos-containing shall be abated prior to demolition of the structure.

Sampling of soils for naturally-occurring asbestos was not included in the scope of services and should be addressed by others if soil will be disturbed as part of the demolition or new construction process.

1.3 Lead in Paints

Lead testing results are summarized in Table 1**.**

1. All samples showed the presence of lead (140 mg/kg to 7300 mg/kg). Waste stream characterization will need to be performed for proper disposal.

As lead was identified in some paints and a detailed inventory of paints was not performed for the project, for the purpose of complying with the Cal/OSHA lead in construction regulation (8 CCR 1532.1), all coated surfaces shall be considered to contain some lead and require demolition dust control procedures for compliance with Cal/OSHA's Construction Lead Standard under 8 CCR 1532.1.

1.4 PCBs

PCB testing results are summarized in Table 1.

- PCB results for all samples of caulks and putties were reported at below the laboratory’s detection limit of <0.5 mg/kg).

- Light fixtures will need to be disassembled for visual inspection of the non-PCB labels – all units lacking a manufacturer’s label of non-PCB shall be classified as PCB-containing.

If you have any questions or would like more information, please contact us.

Sincerely,
SCA ENVIRONMENTAL, INC.

Christina Codemo, CAC, CHMM, REPA Sr. Project Manager	Chuck Siu, CIH, PE, CSP, CAC, DHS President

Appendices:

A: SMAQMD Asbestos Survey Form (required to be submitted by SMAQMD in conjunction with survey report prior to renovation or demolition)
B: Table 1: Materials Matrix Report
C: Sample Location Drawings
D: Laboratory Results
E. Abatement Cost Estimate
F. Abatement Work Plan

Appendix A

SMAQMD Asbestos Survey Form

(required to be submitted by SMAQMD in conjunction with survey report prior to renovation or demolition)

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

Asbestos Survey Form
(See Instructions)

777 12th Street, 3rd Floor
Sacramento, CA 95814
Office (916) 874-4800
Fax (916) 874-4899
Email: asbestos@airquality.org

1. Purpose of Survey ☐ Renovation ☑ Demolition

2. Facility Information

Project Area(s) Description: Mercury Cleaners

Address: 1419 16th Street | City: Sacramento | # of Structures: 1

3. Owner Information

Name: Department of General Services, State of California

Address: 707 Third Street | City/State: West Sacramento, CA | Zip: 95605

Contact: Dan O'Brien | Phone: 916.376.1603 | Fax: 916.376.6297 | Email: daniel.obrien@dgs.ca.gov

4. Consultant Information | **Survey Date(s):** 1/11/14

Company Name: SCA Environmental, Inc.

Name: Dan Leung, CSP, CAC, CDPH | DOSH #: 07-4176

Address: 334 19th St | City/State: Oakland, CA | Zip: 94612

Phone: 415/867-9544 | Fax: 415/962-0736 | Email: dleung@sca-enviro.com | Signature:

5. Client Information (If different than owner) ☐ General Contractor ☐ Insurance Company ☐ Architect ☐ Property Manager ☐ Other

Name: Fugro Consultants, Inc.

Address: 2420 Del Paso Road, Suite 250 | City/State: Sacramento, CA | Zip: 95834

Contact: Jeriann Alexander | Phone: 916-773-2600, ext 128 | Fax: NA | Email: jalexander@fugro.com

6. Have all of the suspect materials that will be disturbed been sampled? ☐ Yes ☐ No

If no, explain why:
Building occupied. Various assumed materials still present and will need to be treated as assumed or sampled prior to demo.

7. Summary of Total Asbestos Containing Material (ACM) Findings

Regulated Asbestos Containing Material (RACM) (Includes materials subject to known mechanical removal and fire damaged materials)			Category II		Category I	
Square Ft.	Linear Ft.	Cubic Ft.	Square Ft.	Linear Ft.	Square Ft.	Linear Ft.
1648	2070	0	30	16710	0	4515

To receive future SMAQMD Rule updates and changes affecting your industry (check one box):

☐ Please send e-mail notices to ☐ I will sign up myself at www.airquality.org/listserve/ to receive e-mailed notices.
☐ I am already subscribed. ☐ I want the District to mail notices to the address on this application: ☐ Owner ☐ Consultant

Appendix B

Table 1: Materials Matrix Report

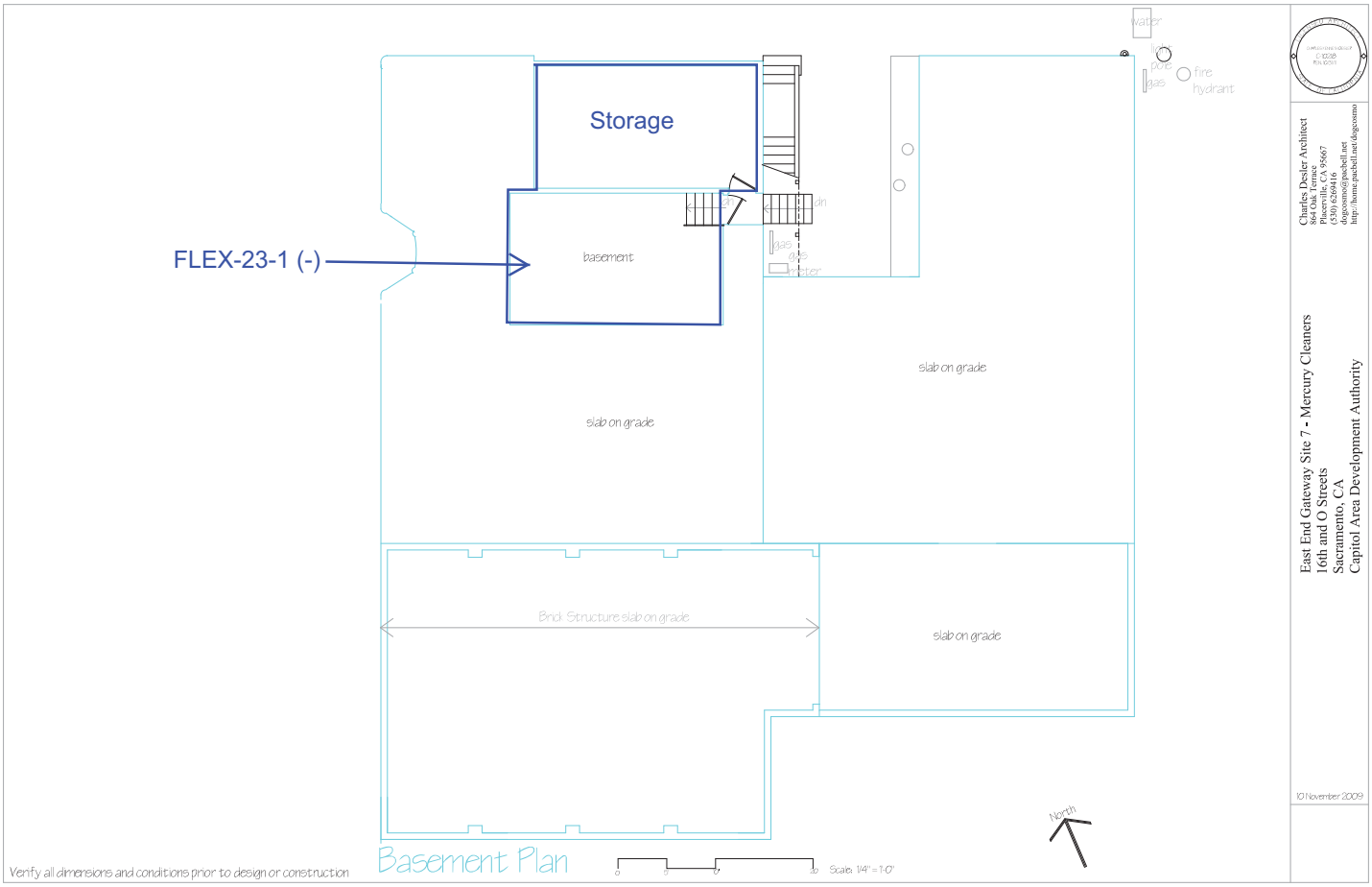
Room ID------- Material ID	Components	RACM, Cat I Non Friable, Cat II Non Friable	Positive? Yes, No, Trace, Assumed Positive, mg/kg	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Units	Bsmt: Storage	1st Floor: Entry	Office	RR	Clothing	Mech	Steam	Wash	Dryclean	2nd Floor: N. Office	S. Office	Hallway	Stairs	Other Areas: Piping Systems [A]	Exterior	Roof	TOTAL+/- 15%
ASBESTOS																										
PIHHW-11	off-white insulation with canvas wrap on heating hot water pipes		Yes	40% AM; 20% CH	NA				LF					220		280	70	130					300			1000
PIFTG-12	off-white insulation with canvas wrap on heating hot water elbows		Yes	40% AM; 20% CH	NA				EA					12		8	5	23					30			78
CLSH-18	ceiling drywall (-) with joint compound (+)		Yes	10% CH	10% CH				SF							1000										1000
FLFELT-AAA3	felt, tars and mastics under hardwood flooring	**RACM**	Assumed Positive						SF				400	450												850
BOILER-AAA4	boiler insulation under metal jacket (double wall)-no bricks noted on interior		Assumed Positive						SF						70											70
FIREDOORS-AAA7	fire doors with assumed asbestos core insulation		Assumed Positive						SF						50			50								100
PIDHW-AAA10	pipe insulation & fittings assumed present within wall cavities and above ceiling areas		Assumed Positive						LF			40	80		10				100	40			300			570
BRICK-13	12"x12" red brick/clay wall (-) with grey mortar (+) and silver paint (-)		Yes	5% CH	NA	NA			SF					375	500		1150	300								2325
FLUE-15	transite boiler flue		Yes	40% CH; 5% CR					LF						10										20	30
PUTTY-20	off-white interior window putty		Yes	5% CH	NA	NA			SF							2			2	1				10		15
WLMAS-AAA1	wall glue behind stippled/flat wood wall panels		Assumed Positive						SF		500	320														820
WLMAS-AAA2	wall mirror mastic	**Cat II Non Friable**	Assumed Positive						SF		20															20
VAPOR-AAA5	vapor barriers under concrete slab and restrooms on upper floors		Assumed Positive						SF	350	320	40	50	625	100	2000	300	475	180	60				3900		8400
VAPOR-AAA11	vapor barriers on subterranean basement sidewalls		Assumed Positive						SF															800		800
FORMICA-AAA8	wood-look Formica counter top and associated mastic		Assumed Positive						SF											30						30
PAPER-AAA11	paper behind stucco - inaccessible without destructive testing but assumed present		Assumed Positive						SF															4300		4300
FLVCT-6	9"x9" grey with white streaks vinyl floor tile (+) with yellow glue (-)		Yes	5% CH	NA				SF			40	25													65
PENMAS-33	grey penetration roofing mastic	**Cat 1 Non Friable**	Yes	10% CH	NA	NA			SF																150	150
FLVCT-16	9"x9" grey with black and white streaks vinyl floor tiles (<1%CH) with black mastics (-		Trace-assumed positive	<1% CH	NA/ND	NA/ND			SF							400										400
RFROLL-AAA9	grey rolled roofing on main field and parapets		Assumed						SF																3900	3900
NON-ASBESTOS																										
FLVCT-1	12"x12" off-white/12"x12" black vinyl floor tiles with yellow mastic		No	ND	ND	ND			SF		320															320
BBMAS-2	4" black vinyl baseboard with yellow mastic		No	ND	ND				SF		20															20
WLPL-3	off-white skim coat/paints over coarse grey wall plaster		No	ND	ND	ND	ND	ND	SF		725	800	1750	975					3600	700	840	520				9910
CLPL-4	off-white skim coat/paints over coarse beige ceiling plaster		No	ND	ND	ND	ND	ND	SF		320	300	450	1200					1750	340	150	60				4570
FLVCT-5	9"x9" grey vinyl floor tile with yellow glue and off-white leveling compound and yellow carpet glue		No	ND	ND				SF			260														260
CLGL-7	12"x12" pink painted glued on ceiling tiles with pinholes and brown glue		No	ND	ND				SF			260														260
FLVCT-8	6"x6" grey/6"x6" very thick, black vinyl floor tiles with black mastics		No	ND					SF				25													25
WLSH-9	wall drywall with tape & joint compound		No	ND	ND	ND			SF				250			400										650
BBMAS-10	4" tan vinyl baseboard with yellow glue		No	ND	ND				SF				25													25
GASKET-14	canvas rope gasket on boiler doors		No	ND					EA						2											2
WLPL-17	grey concrete wall plaster (-) with silver paint (-)		No	ND	ND	ND	ND	ND	SF							360		720								1080
BRICK-19	8"x2" red brick with grey mortar		No	ND	ND	ND			SF							1450										1450
WL-21	16"x8" grey concrete masonry wall unit with grey mortar		No	ND	ND	ND			SF							550		520								1070
CLPL-22	grey coarse ceiling plaster		No	ND	ND	ND			SF									600								600
FLEX-23	off-white canvas flex connector at HVAC duct connection		No	ND					EA	1																1
CARMAS-24	yellow carpet mastic under brown carpet	not applicable	No	ND	ND	ND			SF										1450	200	150	60				1860
FLVCT-25	12"x12" beige "pebble-stone look" vinyl floor tile with yellow glue under off-white 8"x8" marble look vinyl floor sheeting (no mastic visually identifiable)		No	ND					SF										60							60
FLVCT-26	12"x12" black/12"x12" off-white vinyl floor tile with yellow glue		No	ND					SF										60							60
FLVCS-27	beige "hexagon tile look" vinyl floor sheeting with yellow mastic		No	ND					SF										60							60
BBMAS-28	off-white glue under 4" tan/off-white vinyl baseboard		No	ND	ND	ND			SF										130	30	35					195
BBMAS-29	brown mastic under 4" black vinyl baseboard		No	ND					SF											5						5
SINK-30	black stainless steel sink undercoating		No	ND					EA											1						1
CLTXT-31	off-white acoustical "popcorn" ceiling texture		No	ND	ND	ND	ND	ND	SF										1350	300						1650
RFMAS-32	black roofing mastic		No	ND	ND	ND			SF																3900	3900
RFSH-34	red-brown roofing shingles (multiple layers) and roofing felts		No	ND	ND	ND			SF																850	850
PUTTY-35	off-white exterior window/skylight putty		No	ND	ND	ND			EA															5	1	6
STUCCO-36	grey exterior stucco		No	ND	ND	ND	ND	ND	SF															4300		4300
CAULK-37	off-white exterior caulk along conduit piping		No	ND					LF															5		5
FIREHOSES-NNN2	fire hoses		not present																							0
FLOORS-NNN	non-suspect floors		Not suspect												c		c	c								
PIHHW-NNN1	fiberglass insulation with paper jacket on heating hot water pipes		not suspect						LF							200	140	80								420
LEAD IN PAINTS, ETC.			**mg/kg**																							
PK-1	off-white paints on wall plaster collected in office area on 1st floor noted to be loose and peeling in areas		**7300**						SF	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ			PNQ
SI-2	silver paints collected on wall brick in the first floor mechanical space noted to be chipped in areas		550						SF	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ			PNQ
OW-3	off-white paints on ceiling plaster in the first floor wash area noted to be loose and peeling in areas		**5000**						SF	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ			PNQ
GR-4	green paints on wall plaster in the first floor wash area noted to be loose and peeling in areas	not applicable	**910**						SF	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ			PNQ
OW-5	off-white paints on wall plasters collected in 2F S office noted to be loose & peeling in areas		250						SF	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ			PNQ
BR-6	brown paints on exterior stucco walls		**790**						SF															PNQ		PNQ
FLVCT-8	6"x6" grey/6"x6" black vinyl floor tiles with black mastics		140						SF				25													25
PCBs			**mg/kg**																							
PUTTY-20	off-white interior window putty		<0.50						SF							15			11	2				18		46
PUTTY-35	off-white exterior window/skylight putty	not applicable	<0.50						SF																1	1
CAULK-37	off-white exterior caulk along conduit piping		<0.50						SF															30		30
OTHER HAZMATS																										
TUBES	Mercury-containing fluorescent tubes		Present						EA		12	6	6	19		13	6	7	22	4			4			99
BALLASTS	Possible PCB-containing lighting ballasts	not applicable	Present						EA		7	6	3	10		7	4	7	11	2			3			60
LEAD PAINT	Lead-containing paint		Present						SF	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ

[A] The above table indicates quantities in areas where materials were visible & accessible to SCA. SCA has also provided an estimated quantity for piping systems within the building. Note that piping may be present in various areas throughout the building, including within wall and ceiling cavities. Contractor is responsible for field verifying exact locations of piping systems for bidding purposes.

Notes: ND=none detected NA=not analyzed CH=chrysotile AM=-Amosite CR=Crocidolite asbestos c=concrete PNQ=present, but not quantified

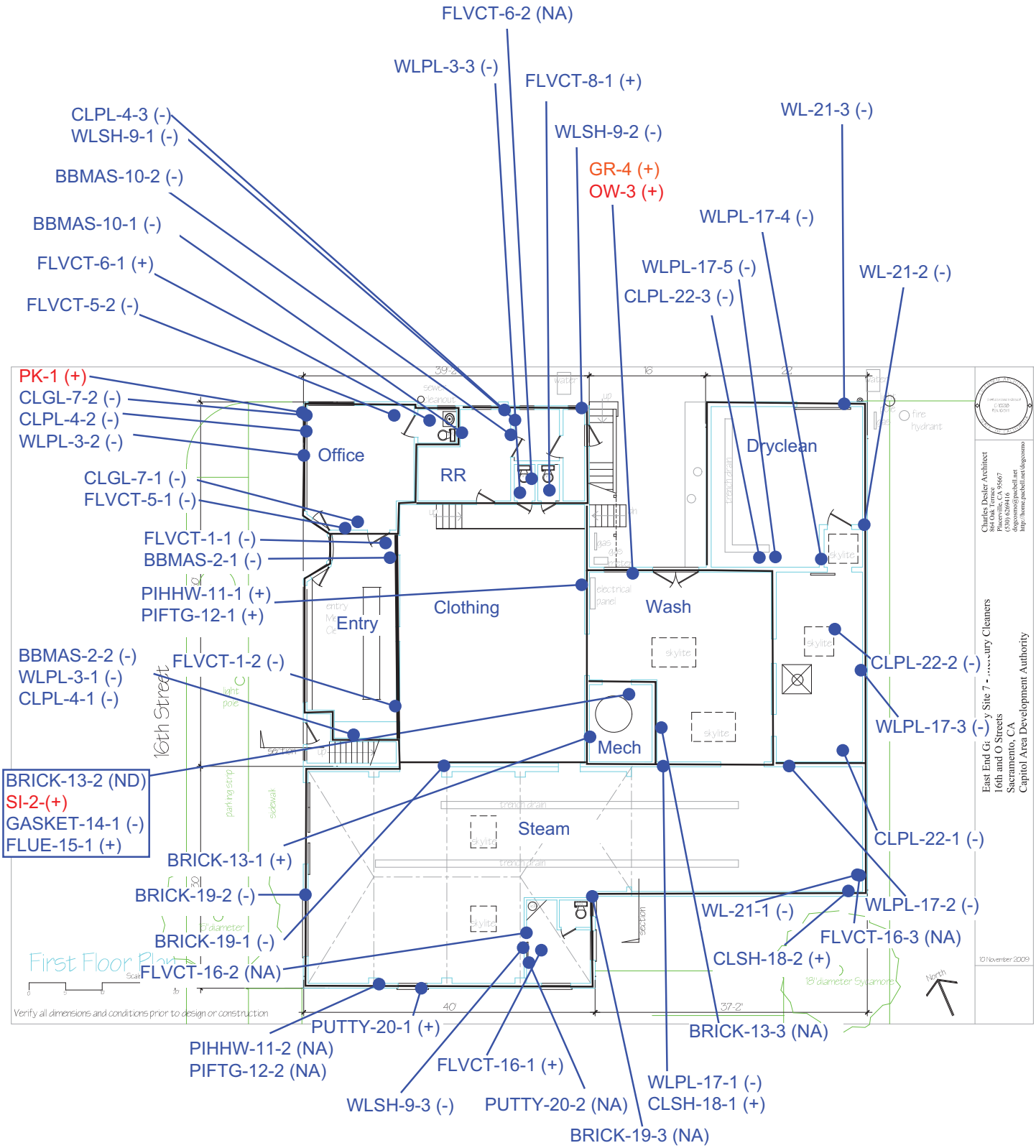
Appendix C

Sample Location Drawings



SCA Environmental, Inc.

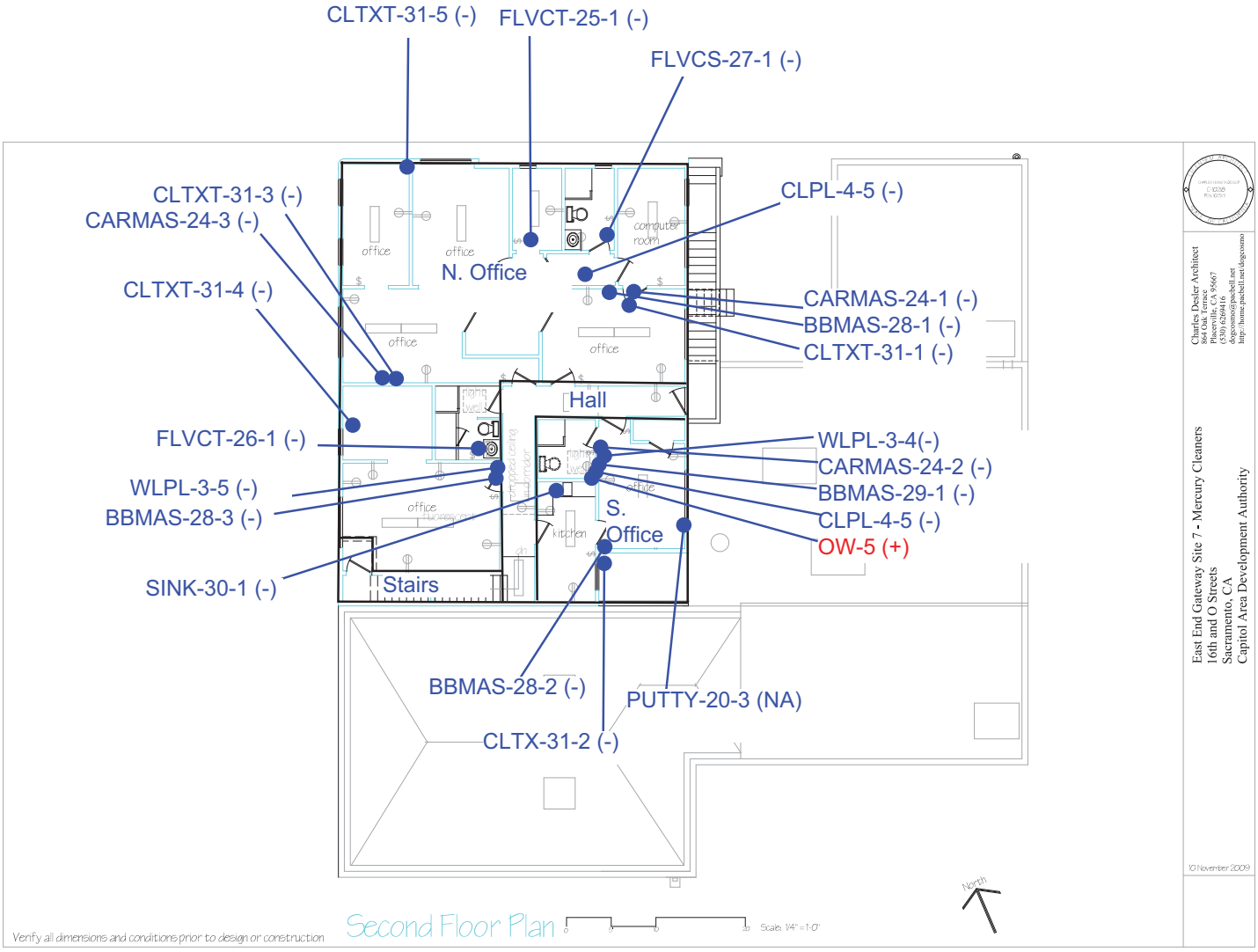
Figure 1: Asbestos & Lead Sample Locations
Mercury Cleaners: Basement
SCA Project Number: F11188
Date: January 2014



Notes:
Blue indicates asbestos sample locations.
Red indicates lead sample locations.

SCA Environmental, Inc.

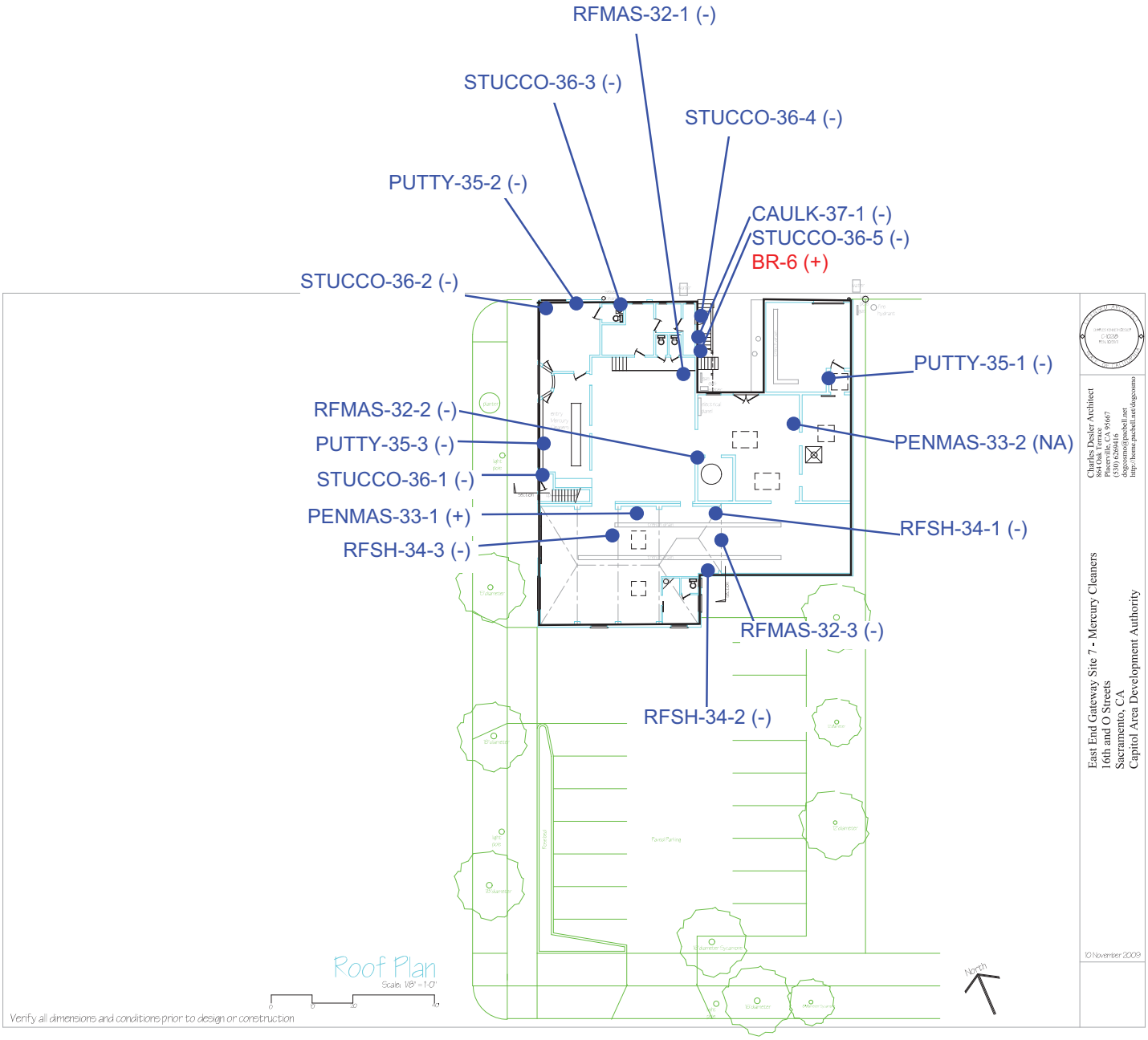
Figure 2: Asbestos & Lead Sample Locations
Mercury Cleaners: 1st Floor
SCA Project Number: F11188
Date: January 2014



Notes:
Blue indicates asbestos sample locations.
Red indicates lead sample locations.

SCA Environmental, Inc.

Figure 3: Asbestos & Lead Sample Locations
Mercury Cleaners: 2nd Floor
SCA Project Number: F11188
Date: January 2014



Notes:
Blue indicates asbestos sample locations.
Red indicates lead sample locations.

SCA Environmental, Inc.

Figure 4: Asbestos & Lead Sample Locations
Mercury Cleaners: Exterior & Roof
SCA Project Number: F11188
Date: January 2014

Appendix D

Laboratory Results

POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

EPA Method 600/R-93/116 or 600/M4-82-020

Contact: Christina Codemo

Address: SCA Environmental
650 Delancey Street, #222
San Francisco, CA 94107

Samples Indicated: 91
Reg. Samples Analyzed: 85
Split Layers Analyzed: 83

Job Site / No.
F11188 - CC

Report No. **323237**
Date Submitted: Jan-13-14
Date Reported: Jan-31-14

SAMPLE ID	ASBESTOS % TYPE	OTHER DATA 1) Non-Asbestos Fibers 2) Matrix Materials 3) Date/Time Collected 4) Date Analyzed	DESCRIPTION FIELD / LAB
MC-FLVCT-1-1 Lab ID # 532-02303-001A	None Detected	1) 1-5% Cellulose 2) 95-99% Calc, Bndr, Other m.p. 3) 4) Jan-20-14	Floor Tile-Off-White
MC-FLVCT-1-1 Lab ID # 532-02303-001B	None Detected	1) None Detected 2) 99-100% Glue 3) 4) Jan-20-14	Mastic-Brown
MC-FLVCT-1-1 Lab ID # 532-02303-001C	None Detected	1) None Detected 2) 99-100% Calc, Bndr 3) 4) Jan-20-14	Floor Tile-Black
MC-FLVCT-1-1 Lab ID # 532-02303-001D	None Detected	1) None Detected 2) 99-100% Glue 3) 4) Jan-20-14	Mastic-Brown
MC-FLVCT-1-2 Lab ID # 532-02303-002A	None Detected	1) 1-5% Cellulose 2) 95-99% Calc, Bndr, Other m.p. 3) 4) Jan-20-14	Floor Tile-Off-White
MC-FLVCT-1-2 Lab ID # 532-02303-002B	None Detected	1) None Detected 2) 99-100% Glue 3) 4) Jan-20-14	Mastic-Brown
MC-FLVCT-1-2 Lab ID # 532-02303-002C	None Detected	1) None Detected 2) 99-100% Calc, Bndr 3) 4) Jan-20-14	Floor Tile-Black
MC-FLVCT-1-2 Lab ID # 532-02303-002D	None Detected	1) None Detected 2) 99-100% Glue 3) 4) Jan-20-14	Mastic-Brown
MC-BBMAS-2-1 Lab ID # 532-02303-003A	None Detected	1) None Detected 2) 99-100% Calc, Bndr 3) 4) Jan-20-14	Baseboard-Off-White
MC-BBMAS-2-1 Lab ID # 532-02303-003B	None Detected	1) None Detected 2) 99-100% Glue 3) 4) Jan-20-14	Mastic-Beige

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique

Analyst Jo Ann Hunter

POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

EPA Method 600/R-93/116 or 600/M4-82-020

Contact: Christina Codemo

Address: SCA Environmental
650 Delancey Street, #222
San Francisco, CA 94107

Samples Indicated: 91
Reg. Samples Analyzed: 85
Split Layers Analyzed: 83

Job Site / No.
F11188 - CC

Report No. **323237**
Date Submitted: Jan-13-14
Date Reported: Jan-31-14

SAMPLE ID	ASBESTOS % TYPE	OTHER DATA 1) Non-Asbestos Fibers 2) Matrix Materials 3) Date/Time Collected 4) Date Analyzed	DESCRIPTION FIELD / LAB
MC-BBMAS-2-2 Lab ID # 532-02303-004A	None Detected	1) None Detected 2) 99-100% Calc, Bndr 3) 4) Jan-20-14	Baseboard-Off-White
MC-BBMAS-2-2 Lab ID # 532-02303-004B	None Detected	1) None Detected 2) 99-100% Glue 3) 4) Jan-20-14	Mastic-Beige
MC-WLPL-3-1 Lab ID # 532-02303-005A	None Detected	1) 6-15% Fiberglass,Cellulose 2) 85-94% Calc, Gyp, Other m.p. 3) 4) Jan-20-14	Plaster-Off-White
MC-WLPL-3-1 Lab ID # 532-02303-005B	None Detected	1) 6-15% Fiberglass,Cellulose 2) 85-94% Calc, Gyp, Other m.p. 3) 4) Jan-20-14	Plaster-Beige
MC-WLPL-3-1 Lab ID # 532-02303-005C	None Detected	1) None Detected 2) 99-100% Paint, Opq 3) 4) Jan-20-14	Skim Coat/Paint-Beige
MC-WLPL-3-2 Lab ID # 532-02303-006A	None Detected	1) 6-15% Fiberglass,Cellulose 2) 85-94% Calc, Gyp, Other m.p. 3) 4) Jan-20-14	Plaster-Off-White
MC-WLPL-3-2 Lab ID # 532-02303-006B	None Detected	1) 6-15% Fiberglass,Cellulose 2) 85-94% Calc, Gyp, Other m.p. 3) 4) Jan-20-14	Plaster-Beige
MC-WLPL-3-2 Lab ID # 532-02303-006C	None Detected	1) None Detected 2) 99-100% Paint, Opq 3) 4) Jan-20-14	Skim Coat/Paint-Beige
MC-WLPL-3-3 Lab ID # 532-02303-007A	None Detected	1) 6-15% Fiberglass,Cellulose 2) 85-94% Calc, Gyp, Other m.p. 3) 4) Jan-20-14	Plaster-Off-White
MC-WLPL-3-3 Lab ID # 532-02303-007B	None Detected	1) 6-15% Fiberglass,Cellulose 2) 85-94% Calc, Gyp, Other m.p. 3) 4) Jan-20-14	Plaster-Beige

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique

Analyst Jo Ann Hunter

POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

EPA Method 600/R-93/116 or 600/M4-82-020

Contact: Christina Codemo

Address: SCA Environmental
650 Delancey Street, #222
San Francisco, CA 94107

Samples Indicated: 91
Reg. Samples Analyzed: 85
Split Layers Analyzed: 83

Job Site / No.
F11188 - CC

Report No. **323237**
Date Submitted: Jan-13-14
Date Reported: Jan-31-14

SAMPLE ID	ASBESTOS % TYPE	OTHER DATA 1) Non-Asbestos Fibers 2) Matrix Materials 3) Date/Time Collected 4) Date Analyzed	DESCRIPTION FIELD / LAB
MC-WLPL-3-3 Lab ID # 532-02303-007C	None Detected	1) None Detected 2) 99-100% Paint, Opq 3) 4) Jan-20-14	Skim Coat/Paint-Beige
MC-WLPL-3-4 Lab ID # 532-02303-008A	None Detected	1) 6-15% Fiberglass,Cellulose 2) 85-94% Calc, Gyp, Other m.p. 3) 4) Jan-20-14	Plaster-Off-White
MC-WLPL-3-4 Lab ID # 532-02303-008B	None Detected	1) 6-15% Fiberglass,Cellulose 2) 85-94% Calc, Gyp, Other m.p. 3) 4) Jan-20-14	Plaster-Beige
MC-WLPL-3-4 Lab ID # 532-02303-008C	None Detected	1) None Detected 2) 99-100% Paint, Opq 3) 4) Jan-20-14	Skim Coat/Paint-Beige
MC-WLPL-3-5 Lab ID # 532-02303-009A	None Detected	1) 6-15% Fiberglass,Cellulose 2) 85-94% Calc, Gyp, Other m.p. 3) 4) Jan-20-14	Plaster-Off-White
MC-WLPL-3-5 Lab ID # 532-02303-009B	None Detected	1) 6-15% Fiberglass,Cellulose 2) 85-94% Calc, Gyp, Other m.p. 3) 4) Jan-20-14	Plaster-Beige
MC-WLPL-3-5 Lab ID # 532-02303-009C	None Detected	1) None Detected 2) 99-100% Paint, Opq 3) 4) Jan-20-14	Skim Coat/Paint-Beige
MC-CLPL-4-1 Lab ID # 532-02303-010A	None Detected	1) 6-15% Fiberglass,Cellulose 2) 85-94% Calc, Gyp, Other m.p. 3) 4) Jan-20-14	Plaster-Off-White
MC-CLPL-4-1 Lab ID # 532-02303-010B	None Detected	1) 6-15% Fiberglass,Cellulose 2) 85-94% Calc, Gyp, Other m.p. 3) 4) Jan-20-14	Plaster-Beige
MC-CLPL-4-1 Lab ID # 532-02303-010C	None Detected	1) None Detected 2) 99-100% Paint, Opq 3) 4) Jan-20-14	Skim Coat/Paint-Beige

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique

Analyst Jo Ann Hunter

POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

EPA Method 600/R-93/116 or 600/M4-82-020

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San Francisco, CA 94107

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Reg. Samples Analyzed: 85
Split Layers Analyzed: 83

Job Site / No.
F11188 - CC

Report No. **323237**
Date Submitted: Jan-13-14
Date Reported: Jan-31-14

SAMPLE ID	ASBESTOS % TYPE	OTHER DATA 1) Non-Asbestos Fibers 2) Matrix Materials 3) Date/Time Collected 4) Date Analyzed	DESCRIPTION FIELD / LAB
MC-CLPL-4-2 Lab ID # 532-02303-011A	None Detected	1) 6-15% Fiberglass,Cellulose 2) 85-94% Calc, Gyp, Other m.p. 3) 4) Jan-20-14	Plaster-Off-White
MC-CLPL-4-2 Lab ID # 532-02303-011B	None Detected	1) 6-15% Fiberglass,Cellulose 2) 85-94% Calc, Gyp, Other m.p. 3) 4) Jan-20-14	Plaster-Beige
MC-CLPL-4-2 Lab ID # 532-02303-011C	None Detected	1) None Detected 2) 99-100% Paint, Opq 3) 4) Jan-20-14	Skim Coat/Paint-Beige
MC-CLPL-4-3 Lab ID # 532-02303-012A	None Detected	1) 6-15% Fiberglass,Cellulose 2) 85-94% Calc, Gyp, Other m.p. 3) 4) Jan-20-14	Plaster-Off-White
MC-CLPL-4-3 Lab ID # 532-02303-012B	None Detected	1) 6-15% Fiberglass,Cellulose 2) 85-94% Calc, Gyp, Other m.p. 3) 4) Jan-20-14	Plaster-Beige
MC-CLPL-4-3 Lab ID # 532-02303-012C	None Detected	1) None Detected 2) 99-100% Paint, Opq 3) 4) Jan-20-14	Skim Coat/Paint-Beige
MC-CLPL-4-4 Lab ID # 532-02303-013A	None Detected	1) 1-5% Fiberglass 2) 95-99% Gyp, Other m.p. 3) 4) Jan-20-14	Drywall-Off-White
MC-CLPL-4-4 Lab ID # 532-02303-013B	None Detected	1) 1-5% Cellulose 2) 95-99% Calc, Bndr, Mica, Other m.p. 3) 4) Jan-20-14	JointCom/Text-Off-White
MC-CLPL-4-5 Lab ID # 532-02303-014A	None Detected	1) 6-15% Fiberglass,Cellulose 2) 85-94% Calc, Gyp, Other m.p. 3) 4) Jan-20-14	Plaster-Off-White
MC-CLPL-4-5 Lab ID # 532-02303-014B	None Detected	1) 6-15% Fiberglass,Cellulose 2) 85-94% Calc, Gyp, Other m.p. 3) 4) Jan-20-14	Plaster-Green

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique

Analyst Jo Ann Hunter

POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

EPA Method 600/R-93/116 or 600/M4-82-020

Contact: Christina Codemo

Address: SCA Environmental
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San Francisco, CA 94107

Samples Indicated: 91
Reg. Samples Analyzed: 85
Split Layers Analyzed: 83

Job Site / No.
F11188 - CC

Report No. **323237**
Date Submitted: Jan-13-14
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SAMPLE ID	ASBESTOS %	ASBESTOS TYPE	OTHER DATA (1) Non-Asbestos Fibers (2) Matrix Materials (3) Date/Time Collected (4) Date Analyzed	DESCRIPTION FIELD / LAB
MC-CLPL-4-5 Lab ID # 532-02303-014C		None Detected	1) None Detected 2) 99-100% Calc, Other m.p. 3) 4) Jan-20-14	Skim Coat-Beige
MC-FLVCT-5-1 Lab ID # 532-02303-015A		None Detected	1) 1-5% Cellulose 2) 95-99% Calc, Bndr, Other m.p. 3) 4) Jan-20-14	Floor Tile-Green
MC-FLVCT-5-1 Lab ID # 532-02303-015B		None Detected	1) None Detected 2) 99-100% Glue 3) 4) Jan-20-14	Mastic-Yellow
MC-FLVCT-5-1 Lab ID # 532-02303-015C		None Detected	1) None Detected 2) 99-100% Calc, Mica, Other m.p. 3) 4) Jan-20-14	LevelCmpd-Off-White
MC-FLVCT-5-2 Lab ID # 532-02303-016A		None Detected	1) 1-5% Cellulose 2) 95-99% Calc, Bndr, Other m.p. 3) 4) Jan-20-14	Floor Tile-Green
MC-FLVCT-5-2 Lab ID # 532-02303-016B		None Detected	1) None Detected 2) 99-100% Glue 3) 4) Jan-20-14	Mastic-Yellow
MC-FLVCT-5-2 Lab ID # 532-02303-016C		None Detected	1) None Detected 2) 99-100% Calc, Mica, Other m.p. 3) 4) Jan-20-14	LevelCmpd-Off-White
MC-FLVCT-6-1 Lab ID # 532-02303-017A		None Detected	1) 1-5% Cellulose 2) 95-99% Calc, Bndr, Other m.p. 3) 4) Jan-20-14	Floor Tile-Green
MC-FLVCT-6-1 Lab ID # 532-02303-017B		None Detected	1) None Detected 2) 99-100% Glue 3) 4) Jan-20-14	Mastic-Yellow
MC-FLVCT-6-2 Lab ID # 532-02303-018A	1-5%	Chrysotile	1) 1-5% Cellulose 2) 90-98% Bndr, Calc, Qtz 3) 4) Jan-20-14	Floor Tile-Grey

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique

Analyst Jo Ann Hunter

POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

EPA Method 600/R-93/116 or 600/M4-82-020

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San Francisco, CA 94107

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Reg. Samples Analyzed: 85
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F11188 - CC

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Date Reported: Jan-31-14

SAMPLE ID	ASBESTOS % TYPE	OTHER DATA 1) Non-Asbestos Fibers 2) Matrix Materials 3) Date/Time Collected 4) Date Analyzed	DESCRIPTION FIELD / LAB
MC-FLVCT-6-2 Lab ID # 532-02303-018B	None Detected	1) None Detected 2) 99-100% Glue 3) 4) Jan-20-14	Mastic-Yellow
MC-CLGL-7-1 Lab ID # 532-02303-019A	None Detected	1) 99-100% Cellulose 2) <1% Paint 3) 4) Jan-21-14	Ceiling Tile-Tan
MC-CLGL-7-1 Lab ID # 532-02303-019B	None Detected	1) None Detected 2) 99-100% Glue 3) 4) Jan-21-14	Mastic-Brown
MC-CLGL-7-1 Lab ID # 532-02303-019C	None Detected	1) None Detected 2) 99-100% Glue, Qtz, Opq, Other m.p. 3) 4) Jan-21-14	Paint-Green
MC-CLGL-7-2 Lab ID # 532-02303-020A	None Detected	1) 99-100% Cellulose 2) <1% Paint 3) 4) Jan-21-14	Ceiling Tile-Tan
MC-CLGL-7-2 Lab ID # 532-02303-020B	None Detected	1) None Detected 2) 99-100% Glue 3) 4) Jan-21-14	Mastic-Brown
MC-CLGL-7-2 Lab ID # 532-02303-020C	None Detected	1) None Detected 2) 99-100% Glue, Qtz, Opq, Other m.p. 3) 4) Jan-21-14	Paint-Green
MC-FLVCT-8-1 Lab ID # 532-02303-021A	None Detected	1) None Detected 2) 99-100% Calc, Bndr 3) 4) Jan-20-14	Floor Tile-Black
MC-FLVCT-8-1 Lab ID # 532-02303-021B	None Detected	1) None Detected 2) 99-100% Glue 3) 4) Jan-20-14	Mastic-Black
MC-WLSH-9-1 Lab ID # 532-02303-022A	None Detected	1) 1-5% Fiberglass 2) 95-99% Gyp, Other m.p. 3) 4) Jan-21-14	Drywall-Off-White

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique

Analyst Jo Ann Hunter

POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

EPA Method 600/R-93/116 or 600/M4-82-020

Contact: Christina Codemo

Address: SCA Environmental
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San Francisco, CA 94107

Samples Indicated: 91
Reg. Samples Analyzed: 85
Split Layers Analyzed: 83

Job Site / No.
F11188 - CC

Report No. **323237**
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Date Reported: Jan-31-14

SAMPLE ID	ASBESTOS %	ASBESTOS TYPE	OTHER DATA (1) Non-Asbestos Fibers (2) Matrix Materials (3) Date/Time Collected (4) Date Analyzed	DESCRIPTION FIELD / LAB
MC-WLSH-9-1		None Detected	1) 1-5% Cellulose 2) 95-99% Calc, Bndr, Mica, Other m.p.	
Lab ID # 532-02303-022B			3) 4) Jan-21-14	JointCom/Text-Off-White
MC-WLSH-9-1		None Detected	1) 1-5% Cellulose 2) 95-99% Glue, Opq, Calc, Other m.p.	
Lab ID # 532-02303-022C			3) 4) Jan-21-14	Paint-Beige
MC-WLSH-9-2		None Detected	1) 1-5% Fiberglass 2) 95-99% Gyp, Other m.p.	
Lab ID # 532-02303-023A			3) 4) Jan-21-14	Drywall-Off-White
MC-WLSH-9-2		None Detected	1) 1-5% Cellulose 2) 95-99% Calc, Bndr, Mica, Other m.p.	
Lab ID # 532-02303-023B			3) 4) Jan-21-14	JointCom/Text-Off-White
MC-WLSH-9-2		None Detected	1) 1-5% Cellulose 2) 95-99% Glue, Opq, Calc, Other m.p.	
Lab ID # 532-02303-023C			3) 4) Jan-21-14	Paint-Beige
MC-WLSH-9-3		None Detected	1) 1-5% Fiberglass 2) 95-99% Gyp, Other m.p.	
Lab ID # 532-02303-024A			3) 4) Jan-21-14	Drywall-Pink
MC-WLSH-9-3		None Detected	1) None Detected 2) 99-100% Glue, Qtz, Opq, Other m.p.	
Lab ID # 532-02303-024B			3) 4) Jan-21-14	Paint-Beige
MC-BBMAS-10-1		None Detected	1) None Detected 2) 99-100% Tar, Opq, Qtz, Other m.p.	
Lab ID # 532-02303-025A			3) 4) Jan-21-14	Mastic-Black
MC-BBMAS-10-1		None Detected	1) None Detected 2) 99-100% Glue	
Lab ID # 532-02303-025B			3) 4) Jan-21-14	Mastic-Yellow
MC-BBMAS-10-2		None Detected	1) None Detected 2) 99-100% Tar, Opq, Qtz, Other m.p.	
Lab ID # 532-02303-026A			3) 4) Jan-21-14	Mastic-Black

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique

Analyst Jo Ann Hunter

POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

EPA Method 600/R-93/116 or 600/M4-82-020

Contact: Christina Codemo

Address: SCA Environmental
650 Delancey Street, #222
San Francisco, CA 94107

Samples Indicated: 91
Reg. Samples Analyzed: 85
Split Layers Analyzed: 83

Job Site / No.
F11188 - CC

Report No. **323237**
Date Submitted: Jan-13-14
Date Reported: Jan-31-14

SAMPLE ID	ASBESTOS %	ASBESTOS TYPE	OTHER DATA (1) Non-Asbestos Fibers (2) Matrix Materials (3) Date/Time Collected (4) Date Analyzed	DESCRIPTION FIELD / LAB
MC-BBMAS-10-2 Lab ID # 532-02303-026B		None Detected	1) None Detected 2) 99-100% Glue 3) 4) Jan-21-14	Mastic-Yellow
MC-PIHHW-11-1 Lab ID # 532-02303-027	30-40% 10-20%	Amosite Chrysotile	1) 10-20% Cellulose 2) 20-50% Calc, Gyp, Other m.p. 3) 4) Jan-21-14	Insulation-Off-White
MC-PIHHW-11-2 Lab ID # 532-02303-028		Not Analyzed	1) 2) 3) 4) Jan-21-14	
MC-PIFTG-12-1 Lab ID # 532-02303-029	30-40% 10-20%	Amosite Chrysotile	1) 10-20% Cellulose 2) 20-50% Calc, Gyp, Other m.p. 3) 4) Jan-21-14	Insulation-Off-White
MC-PIFTG-12-2 Lab ID # 532-02303-030		Not Analyzed	1) 2) 3) 4) Jan-21-14	
MC-BRICK-13-1 Lab ID # 532-02303-031A		None Detected	1) None Detected 2) 99-100% Qtz, Opq, Other m.p. 3) 4) Jan-21-14	Brick-Red
MC-BRICK-13-1 Lab ID # 532-02303-031B	1-5%	Chrysotile	1) None Detected 2) 95-99% Calc, Bndr, Mica, Other m.p. 3) 4) Jan-21-14	Brick-Grey
MC-BRICK-13-2 Lab ID # 532-02303-032		None Detected	1) None Detected 2) 99-100% Qtz, Opq, Other m.p. 3) 4) Jan-30-14	Brick-Red
MC-BRICK-13-2 Lab ID # 532-02303-032B		None Detected	1) 1-5% Cellulose 2) 95-99% Calc, Bndr, Mica, Other m.p. 3) 4) Jan-30-14	Brick-Grey
MC-BRICK-13-2 Lab ID # 532-02303-032C		None Detected	1) 1-5% Cellulose 2) 95-99% Glue, Opq, Calc, Other m.p. 3) 4) Jan-31-14	Paint-Silver

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique

Analyst Jo Ann Hunter

POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

EPA Method 600/R-93/116 or 600/M4-82-020

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F11188 - CC

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SAMPLE ID	ASBESTOS %	ASBESTOS TYPE	OTHER DATA (1) Non-Asbestos Fibers (2) Matrix Materials (3) Date/Time Collected (4) Date Analyzed	DESCRIPTION FIELD / LAB
MC-BRICK-13-3 Lab ID # 532-02303-033		Not Analyzed	1) 2) 3) 4) Jan-21-14	
MC-GASKET-14-1 Lab ID # 532-02303-034		None Detected	1) 99-100% Fiberglass 2) None Detected 3) 4) Jan-21-14	Gasket-Off-White
MC-FLUE-15-1 Lab ID # 532-02303-035	30-40% 1-5%	Chrysotile Crocidolite	1) None Detected 2) 55-69% Calc 3) 4) Jan-21-14	Transite-Grey
MC-FLVCT-16-1 Lab ID # 532-02303-036A	<1%	Chrysotile	1) None Detected 2) 100-100% Calc, Glue, Bndr 3) 4) Jan-21-14	Floor Tile-Grey
MC-FLVCT-16-1 Lab ID # 532-02303-036B		None Detected	1) 1-5% Cellulose 2) 95-99% Tar, Other m.p. 3) 4) Jan-21-14	Mastic-Brown
MC-FLVCT-16-2 Lab ID # 532-02303-037		None Detected	1) None Detected 2) 99-100% Tar, Opq, Qtz, Other m.p. 3) 4) Jan-21-14	Mastic-Brown
MC-FLVCT-16-3 Lab ID # 532-02303-038		None Detected	1) None Detected 2) 99-100% Tar, Opq, Qtz, Other m.p. 3) 4) Jan-21-14	Mastic-Brown
MC-CLSH-18-1 Lab ID # 532-02303-039A		None Detected	1) 1-5% Fiberglass 2) 95-99% Gyp, Other m.p. 3) 4) Jan-21-14	Drywall-Off-White
MC-CLSH-18-1 Lab ID # 532-02303-039B	5-10%	Chrysotile	1) None Detected 2) 90-95% Calc, Bndr, PlastFoam 3) 4) Jan-21-14	JointCom/Text-Off-White
MC-CLSH-18-2 Lab ID # 532-02303-040A		None Detected	1) 1-5% Fiberglass 2) 95-99% Gyp, Other m.p. 3) 4) Jan-21-14	Drywall-Off-White

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique

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POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

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MC-CLSH-18-2 Lab ID # 532-02303-040B	5-10%	Chrysotile	1) None Detected 2) 90-95% Calc, Bndr, PlastFoam 3) 4) Jan-21-14	JointCom/Text-Off-White
MC-BRICK-19-1 Lab ID # 532-02303-041A		None Detected	1) None Detected 2) 99-100% Qtz, Opq, Other m.p. 3) 4) Jan-21-14	Brick-Red
MC-BRICK-19-1 Lab ID # 532-02303-041B		None Detected	1) None Detected 2) 99-100% Qtz, Opq, Other m.p. 3) 4) Jan-21-14	Brick-Off-White
MC-BRICK-19-1 Lab ID # 532-02303-041C		None Detected	1) None Detected 2) 99-100% Glue, Qtz, Opq, Other m.p. 3) 4) Jan-21-14	Paint-Green
MC-BRICK-19-2 Lab ID # 532-02303-042A		None Detected	1) None Detected 2) 99-100% Qtz, Opq, Other m.p. 3) 4) Jan-21-14	Brick-Red
MC-BRICK-19-2 Lab ID # 532-02303-042B		None Detected	1) None Detected 2) 99-100% Qtz, Opq, Other m.p. 3) 4) Jan-21-14	Brick-Off-White
MC-BRICK-19-2 Lab ID # 532-02303-042C		None Detected	1) None Detected 2) 99-100% Glue, Qtz, Opq, Other m.p. 3) 4) Jan-21-14	Paint-Green
MC-BRICK-19-3 Lab ID # 532-02303-043A		None Detected	1) None Detected 2) 99-100% Qtz, Opq, Other m.p. 3) 4) Jan-21-14	Brick-Red
MC-BRICK-19-3 Lab ID # 532-02303-043B		None Detected	1) None Detected 2) 99-100% Qtz, Opq, Other m.p. 3) 4) Jan-21-14	Brick-Off-White
MC-BRICK-19-3 Lab ID # 532-02303-043C		None Detected	1) None Detected 2) 99-100% Glue, Qtz, Opq, Other m.p. 3) 4) Jan-21-14	Paint-Green

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique

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MC-PUTTY-20-1 Lab ID # 532-02303-044A	1-5%	Chrysotile	1) None Detected 2) 95-99% Calc 3) 4) Jan-21-14	Putty-Grey
MC-PUTTY-20-1 Lab ID # 532-02303-044B		None Detected	1) None Detected 2) 99-100% Glue, Qtz, Opq, Other m.p. 3) 4) Jan-21-14	Paint-Green
MC-PUTTY-20-2 Lab ID # 532-02303-045		Not Analyzed	1) 2) 3) 4) Jan-21-14	
MC-PUTTY-20-3 Lab ID # 532-02303-046		Not Analyzed	1) 2) 3) 4) Jan-21-14	
MC-WL-21-1 Lab ID # 532-02303-047A		None Detected	1) 6-15% Fiberglass,Cellulose 2) 85-94% Calc, Gyp, Other m.p. 3) 4) Jan-21-14	Plaster-Grey
MC-WL-21-1 Lab ID # 532-02303-047B		None Detected	1) None Detected 2) 99-100% Glue, Qtz, Opq, Other m.p. 3) 4) Jan-21-14	Paint-Green
MC-WL-21-2 Lab ID # 532-02303-048A		None Detected	1) 6-15% Fiberglass,Cellulose 2) 85-94% Calc, Gyp, Other m.p. 3) 4) Jan-21-14	Plaster-Grey
MC-WL-21-2 Lab ID # 532-02303-048B		None Detected	1) None Detected 2) 99-100% Glue, Qtz, Opq, Other m.p. 3) 4) Jan-21-14	Paint-Green
MC-WL-21-3 Lab ID # 532-02303-049A		None Detected	1) 6-15% Fiberglass,Cellulose 2) 85-94% Calc, Gyp, Other m.p. 3) 4) Jan-21-14	Plaster-Grey
MC-WL-21-3 Lab ID # 532-02303-049B		None Detected	1) None Detected 2) 99-100% Glue, Qtz, Opq, Other m.p. 3) 4) Jan-21-14	Paint-Green

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique

Analyst Jo Ann Hunter

POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

EPA Method 600/R-93/116 or 600/M4-82-020

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Report No. **323237**
Date Submitted: Jan-13-14
Date Reported: Jan-31-14

SAMPLE ID	ASBESTOS %	ASBESTOS TYPE	OTHER DATA (1) Non-Asbestos Fibers (2) Matrix Materials (3) Date/Time Collected (4) Date Analyzed	DESCRIPTION FIELD / LAB
MC-CLPL-22-1		None Detected	1) 6-15% Fiberglass,Cellulose 2) 85-94% Calc, Gyp, Other m.p. 3) 4) Jan-21-14	Plaster-Off-White
Lab ID # 532-02303-050				
MC-CLPL-22-2		None Detected	1) 6-15% Fiberglass,Cellulose 2) 85-94% Calc, Gyp, Other m.p. 3) 4) Jan-21-14	Plaster-Off-White
Lab ID # 532-02303-051				
MC-CLPL-22-3		None Detected	1) 6-15% Fiberglass,Cellulose 2) 85-94% Calc, Gyp, Other m.p. 3) 4) Jan-21-14	Plaster-Off-White
Lab ID # 532-02303-052				
MC-FLEX-23-1		None Detected	1) 80-90% Cellulose 2) 10-20% Other m.p. 3) 4) Jan-21-14	Backing-Brown
Lab ID # 532-02303-053				
MC-CARMAS-24-1		None Detected	1) None Detected 2) 99-100% Glue 3) 4) Jan-21-14	Mastic-Yellow
Lab ID # 532-02303-054				
MC-CARMAS-24-2		None Detected	1) None Detected 2) 99-100% Glue 3) 4) Jan-21-14	Mastic-Yellow
Lab ID # 532-02303-055				
MC-CARMAS-24-3		None Detected	1) None Detected 2) 99-100% Glue 3) 4) Jan-21-14	Mastic-Yellow
Lab ID # 532-02303-056				
MC-FLVCT-25-1		None Detected	1) None Detected 2) 99-100% Calc, Bndr 3) 4) Jan-21-14	Floor Tile-Beige
Lab ID # 532-02303-057A				
MC-FLVCT-25-1		None Detected	1) 6-15% Fiberglass,Cellulose 2) 85-94% Calc, Bndr, Glue, Other m.p. 3) 4) Jan-21-14	Sheet Floor/Backing-Off-White
Lab ID # 532-02303-057B				
MC-FLVCT-25-1		None Detected	1) None Detected 2) 99-100% Glue 3) 4) Jan-21-14	Mastic-Yellow
Lab ID # 532-02303-057C				

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique

Analyst Jo Ann Hunter

POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

EPA Method 600/R-93/116 or 600/M4-82-020

Contact: Christina Codemo

Address: SCA Environmental
650 Delancey Street, #222
San Francisco, CA 94107

Samples Indicated: 91
Reg. Samples Analyzed: 85
Split Layers Analyzed: 83

Job Site / No.
F11188 - CC

Report No. **323237**
Date Submitted: Jan-13-14
Date Reported: Jan-31-14

SAMPLE ID	ASBESTOS % TYPE	OTHER DATA 1) Non-Asbestos Fibers 2) Matrix Materials 3) Date/Time Collected 4) Date Analyzed	DESCRIPTION FIELD / LAB
MC-FLVCT-26-1 Lab ID # 532-02303-058A	None Detected	1) None Detected 2) 99-100% Calc, Bndr 3) 4) Jan-21-14	Floor Tile-Off-White
MC-FLVCT-26-1 Lab ID # 532-02303-058B	None Detected	1) None Detected 2) 99-100% Glue 3) 4) Jan-21-14	Mastic-Yellow
MC-FLVCT-26-1 Lab ID # 532-02303-058C	None Detected	1) None Detected 2) 99-100% Calc, Bndr 3) 4) Jan-21-14	Floor Tile-Black
MC-FLVCS-27-1 Lab ID # 532-02303-059A	None Detected	1) 6-15% Fiberglass,Cellulose 2) 85-94% Calc, Bndr, Glue, Other m.p. 3) 4) Jan-21-14	Sheet Floor/Backing-Off-White
MC-FLVCS-27-1 Lab ID # 532-02303-059B	None Detected	1) None Detected 2) 99-100% Glue 3) 4) Jan-21-14	Mastic-Yellow
MC-BBMAS-28-1 Lab ID # 532-02303-060	None Detected	1) None Detected 2) 99-100% Calc, Bndr 3) 4) Jan-21-14	Baseboard-Off-White
MC-BBMAS-28-2 Lab ID # 532-02303-061	None Detected	1) None Detected 2) 99-100% Calc, Bndr 3) 4) Jan-21-14	Baseboard-Off-White
MC-BBMAS-28-3 Lab ID # 532-02303-062	None Detected	1) None Detected 2) 99-100% Calc, Bndr 3) 4) Jan-21-14	Baseboard-Off-White
MC-BBMAS-29-1 Lab ID # 532-02303-063	None Detected	1) None Detected 2) 99-100% Calc, Bndr 3) 4) Jan-21-14	Baseboard-Brown
MC-SINK-30-1 Lab ID # 532-02303-064	None Detected	1) None Detected 2) 99-100% Calc, Bndr 3) 4) Jan-21-14	Coating-Brown

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique

Analyst Jo Ann Hunter

POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

EPA Method 600/R-93/116 or 600/M4-82-020

Contact: Christina Codemo

Address: SCA Environmental
650 Delancey Street, #222
San Francisco, CA 94107

Samples Indicated: 91
Reg. Samples Analyzed: 85
Split Layers Analyzed: 83

Job Site / No.
F11188 - CC

Report No. **323237**
Date Submitted: Jan-13-14
Date Reported: Jan-31-14

SAMPLE ID	ASBESTOS %	ASBESTOS TYPE	OTHER DATA (1) Non-Asbestos Fibers (2) Matrix Materials (3) Date/Time Collected (4) Date Analyzed	DESCRIPTION FIELD / LAB
MC-CLTXT-31-1 Lab ID # 532-02303-065		None Detected	1) 1-5% Cellulose 2) 95-99% Calc, Bndr, PlastFoam 3) 4) Jan-21-14	Spray-On Ceiling-Off-White
MC-CLTXT-31-2 Lab ID # 532-02303-066		None Detected	1) 1-5% Cellulose 2) 95-99% Calc, Bndr, PlastFoam 3) 4) Jan-21-14	Spray-On Ceiling-Off-White
MC-CLTXT-31-3 Lab ID # 532-02303-067		None Detected	1) 1-5% Cellulose 2) 95-99% Calc, Bndr, PlastFoam 3) 4) Jan-21-14	Spray-On Ceiling-Off-White
MC-CLTXT-31-4 Lab ID # 532-02303-068		None Detected	1) 1-5% Cellulose 2) 95-99% Calc, Bndr, PlastFoam 3) 4) Jan-21-14	Spray-On Ceiling-Off-White
MC-CLTXT-31-5 Lab ID # 532-02303-069		None Detected	1) 1-5% Cellulose 2) 95-99% Calc, Bndr, PlastFoam 3) 4) Jan-21-14	Spray-On Ceiling-Off-White
MC-RFMAS-32-1 Lab ID # 532-02303-070		None Detected	1) None Detected 2) 99-100% Tar, Opq, Qtz, Other m.p. 3) 4) Jan-21-14	Roof Mastic-Black
MC-RFMAS-32-2 Lab ID # 532-02303-071		None Detected	1) None Detected 2) 99-100% Tar, Opq, Qtz, Other m.p. 3) 4) Jan-21-14	Roof Mastic-Black
MC-RFMAS-32-3 Lab ID # 532-02303-072		None Detected	1) None Detected 2) 99-100% Tar, Opq, Qtz, Other m.p. 3) 4) Jan-21-14	Roof Mastic-Black
MC-PENMAS-33-1 Lab ID # 532-02303-073	5-10%	Chrysotile	1) 1-5% Cellulose 2) 85-94% Tar, Opq, Qtz 3) 4) Jan-21-14	Mastic-Black
MC-PENMAS-33-2 Lab ID # 532-02303-074		Not Analyzed	1) 2) 3) 4) Jan-21-14	

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique

Analyst Jo Ann Hunter

POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

EPA Method 600/R-93/116 or 600/M4-82-020

Contact: Christina Codemo

Address: SCA Environmental
650 Delancey Street, #222
San Francisco, CA 94107

Samples Indicated: 91
Reg. Samples Analyzed: 85
Split Layers Analyzed: 83

Job Site / No.
F11188 - CC

Report No. **323237**
Date Submitted: Jan-13-14
Date Reported: Jan-31-14

SAMPLE ID	ASBESTOS % TYPE	OTHER DATA 1) Non-Asbestos Fibers 2) Matrix Materials 3) Date/Time Collected 4) Date Analyzed	DESCRIPTION FIELD / LAB
MC-RFSH-34-1 Lab ID # 532-02303-075A	None Detected	1) 10-20% Cellulose,Fiberglass 2) 80-90% Calc, Tar, Qtz, Opq 3) 4) Jan-21-14	Roofing Felt/Tar-Black
MC-RFSH-34-1 Lab ID # 532-02303-075B	None Detected	1) 10-20% Cellulose,Fiberglass 2) 80-90% Calc, Tar, Qtz, Opq 3) 4) Jan-21-14	Roofing Felt/Tar-Black
MC-RFSH-34-1 Lab ID # 532-02303-075C	None Detected	1) 5-10% Cellulose 2) 90-95% Tar, Other m.p. 3) 4) Jan-21-14	Roof Mastic-Black
MC-RFSH-34-2 Lab ID # 532-02303-076A	None Detected	1) 10-20% Cellulose,Fiberglass 2) 80-90% Calc, Tar, Qtz, Opq 3) 4) Jan-21-14	Roofing Felt/Tar-Black
MC-RFSH-34-2 Lab ID # 532-02303-076B	None Detected	1) 10-20% Cellulose,Fiberglass 2) 80-90% Calc, Tar, Qtz, Opq 3) 4) Jan-21-14	Roofing Felt/Tar-Black
MC-RFSH-34-2 Lab ID # 532-02303-076C	None Detected	1) 5-10% Cellulose 2) 90-95% Tar, Other m.p. 3) 4) Jan-21-14	Roof Mastic-Black
MC-RFSH-34-3 Lab ID # 532-02303-077A	None Detected	1) 10-20% Cellulose,Fiberglass 2) 80-90% Calc, Tar, Qtz, Opq 3) 4) Jan-21-14	Roofing Felt/Tar-Black
MC-RFSH-34-3 Lab ID # 532-02303-077B	None Detected	1) 10-20% Cellulose,Fiberglass 2) 80-90% Calc, Tar, Qtz, Opq 3) 4) Jan-21-14	Roofing Felt/Tar-Black
MC-RFSH-34-3 Lab ID # 532-02303-077C	None Detected	1) 5-10% Cellulose 2) 90-95% Tar, Other m.p. 3) 4) Jan-21-14	Roof Mastic-Black
MC-PUTTY-35-1 Lab ID # 532-02303-078	None Detected	1) None Detected 2) 99-100% Calc, Bndr 3) 4) Jan-21-14	Putty-Off-White

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique

Analyst Jo Ann Hunter

POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

EPA Method 600/R-93/116 or 600/M4-82-020

Contact: Christina Codemo

Address: SCA Environmental
650 Delancey Street, #222
San Francisco, CA 94107

Samples Indicated: 91
Reg. Samples Analyzed: 85
Split Layers Analyzed: 83

Job Site / No.
F11188 - CC

Report No. **323237**
Date Submitted: Jan-13-14
Date Reported: Jan-31-14

SAMPLE ID	ASBESTOS % TYPE	OTHER DATA 1) Non-Asbestos Fibers 2) Matrix Materials 3) Date/Time Collected 4) Date Analyzed	DESCRIPTION FIELD / LAB
MC-PUTTY-35-2 Lab ID # 532-02303-079	None Detected	1) None Detected 2) 99-100% Calc, Bndr 3) 4) Jan-21-14	Putty-Off-White
MC-PUTTY-35-3 Lab ID # 532-02303-080	None Detected	1) None Detected 2) 99-100% Calc, Bndr 3) 4) Jan-21-14	Putty-Off-White
MC-STUCCO-36-1 Lab ID # 532-02303-081A	None Detected	1) None Detected 2) 99-100% Qtz, Opq, Other m.p. 3) 4) Jan-21-14	Stucco-Grey
MC-STUCCO-36-1 Lab ID # 532-02303-081B	None Detected	1) None Detected 2) 99-100% Glue, Qtz, Opq, Other m.p. 3) 4) Jan-21-14	Paint-Pink
MC-STUCCO-36-2 Lab ID # 532-02303-082A	None Detected	1) None Detected 2) 99-100% Qtz, Opq, Other m.p. 3) 4) Jan-21-14	Stucco-Grey
MC-STUCCO-36-2 Lab ID # 532-02303-082B	None Detected	1) None Detected 2) 99-100% Glue, Qtz, Opq, Other m.p. 3) 4) Jan-21-14	Paint-Pink
MC-STUCCO-36-3 Lab ID # 532-02303-083A	None Detected	1) None Detected 2) 99-100% Qtz, Opq, Other m.p. 3) 4) Jan-21-14	Stucco-Grey
MC-STUCCO-36-3 Lab ID # 532-02303-083B	None Detected	1) None Detected 2) 99-100% Glue, Qtz, Opq, Other m.p. 3) 4) Jan-21-14	Paint-Pink
MC-STUCCO-36-4 Lab ID # 532-02303-084A	None Detected	1) None Detected 2) 99-100% Qtz, Opq, Other m.p. 3) 4) Jan-21-14	Stucco-Grey
MC-STUCCO-36-4 Lab ID # 532-02303-084B	None Detected	1) None Detected 2) 99-100% Glue, Qtz, Opq, Other m.p. 3) 4) Jan-21-14	Paint-Pink

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique

Analyst Jo Ann Hunter

POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

EPA Method 600/R-93/116 or 600/M4-82-020

Contact: Christina Codemo

Address: SCA Environmental
650 Delancey Street, #222
San Francisco, CA 94107

Samples Indicated: 91
Reg. Samples Analyzed: 85
Split Layers Analyzed: 83

Job Site / No.
F11188 - CC

Report No. **323237**
Date Submitted: Jan-13-14
Date Reported: Jan-31-14

SAMPLE ID	ASBESTOS % TYPE	OTHER DATA 1) Non-Asbestos Fibers 2) Matrix Materials 3) Date/Time Collected 4) Date Analyzed	DESCRIPTION FIELD / LAB
MC-STUCCO-36-5 Lab ID # 532-02303-085A	None Detected	1) None Detected 2) 99-100% Qtz, Opq, Other m.p. 3) 4) Jan-21-14	Stucco-Grey
MC-STUCCO-36-5 Lab ID # 532-02303-085B	None Detected	1) None Detected 2) 99-100% Glue, Qtz, Opq, Other m.p. 3) 4) Jan-21-14	Paint-Pink
MC-STUCCO-36-5 Lab ID # 532-02303-085C	None Detected	1) 1-5% Cellulose 2) 95-99% Calc, Gyp, Mica, Qtz 3) 4) Jan-21-14	Texture-Off-White
MC-CAULK-37-1 Lab ID # 532-02303-086A	None Detected	1) 10-20% Cellulose 2) 80-90% Bndr, Calc, Glue, Qtz 3) 4) Jan-21-14	Caulk-Off-White
MC-CAULK-37-1 Lab ID # 532-02303-086B	None Detected	1) None Detected 2) 99-100% Glue, Qtz, Opq, Other m.p. 3) 4) Jan-21-14	Paint-Green
MC-WLPL-17-1 Lab ID # 532-02303-087A	None Detected	1) 6-15% Fiberglass,Cellulose 2) 85-94% Calc, Gyp, Other m.p. 3) 4) Jan-21-14	Plaster-Off-White
MC-WLPL-17-1 Lab ID # 532-02303-087B	None Detected	1) None Detected 2) 99-100% Glue, Qtz, Opq, Other m.p. 3) 4) Jan-21-14	Paint-Green
MC-WLPL-17-2 Lab ID # 532-02303-088A	None Detected	1) 6-15% Fiberglass,Cellulose 2) 85-94% Calc, Gyp, Other m.p. 3) 4) Jan-21-14	Plaster-Off-White
MC-WLPL-17-2 Lab ID # 532-02303-088B	None Detected	1) None Detected 2) 99-100% Glue, Qtz, Opq, Other m.p. 3) 4) Jan-21-14	Paint-Green
MC-WLPL-17-3 Lab ID # 532-02303-089	None Detected	1) 6-15% Fiberglass,Cellulose 2) 85-94% Calc, Gyp, Other m.p. 3) 4) Jan-21-14	Plaster-Off-White

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique

Analyst Jo Ann Hunter

POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

EPA Method 600/R-93/116 or 600/M4-82-020

Contact: Christina Codemo

Address: SCA Environmental
650 Delancey Street, #222
San Francisco, CA 94107

Samples Indicated: 91
Reg. Samples Analyzed: 85
Split Layers Analyzed: 83

Job Site / No.
F11188 - CC

Report No. **323237**
Date Submitted: Jan-13-14
Date Reported: Jan-31-14

SAMPLE ID	ASBESTOS %	ASBESTOS TYPE	OTHER DATA (1) Non-Asbestos Fibers (2) Matrix Materials (3) Date/Time Collected (4) Date Analyzed	DESCRIPTION FIELD / LAB
MC-WLPL-17-4		None Detected	1) 6-15% Fiberglass,Cellulose 2) 85-94% Calc, Gyp, Other m.p.	
Lab ID # 532-02303-090A			3) 4) Jan-21-14	Plaster-Off-White
MC-WLPL-17-4		None Detected	1) None Detected 2) 99-100% Glue, Qtz, Opq, Other m.p.	
Lab ID # 532-02303-090B			3) 4) Jan-21-14	Paint-Silver
MC-WLPL-17-5		None Detected	1) 6-15% Fiberglass,Cellulose 2) 85-94% Calc, Gyp, Other m.p.	
Lab ID # 532-02303-091A			3) 4) Jan-21-14	Plaster-Off-White
MC-WLPL-17-5		None Detected	1) None Detected 2) 99-100% Glue, Qtz, Opq, Other m.p.	
Lab ID # 532-02303-091B			3) 4) Jan-21-14	Paint-Green
			1) 2)	
Lab ID #			3) 4)	
			1) 2)	
Lab ID #			3) 4)	
			1) 2)	
Lab ID #			3) 4)	
			1) 2)	
Lab ID #			3) 4)	
			1) 2)	
Lab ID #			3) 4)	
			1) 2)	
Lab ID #			3) 4)	

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique

Analyst Jo Ann Huestis

ASBESTOS TEM LABORATORIES, INC.
www.asbestostemlabs.com
630 Bancroft Way, Berkeley CA 94710 (510) 704-8930
With Offices in Reno, NV (775) 359-3377

SCA Environmental, Inc.

CHAIN OF CUSTODY FORM

	Tel	Fax
650 Delancey St. #222, SF, CA 94107	415-882[illegible]675	415-9620736
334 19th St., Oakland, CA 94612	510-6456200	415-9620736
5777 W. Century Blvd. #1055, L.A. CA 90045	310-2580460	415-9620736

CALL/TXT with results:
@messaging.sprintpcs.com

Email rpt / COC & invoice:
CCODEMO @sca-enviro.com

Email Prj Mgr Name:
Chuck Siu Glenn Cass (Christina Codemo)

Accounting Data:

EMAIL HEADING: (Project #) - (Project Manager initials) - (Site Name/Address) - (Date MMDD)
FUGRO DRY CLNR OFFICE BLDG. SAC F11188 CC 1/11

LAB SVY
AIEM LABS 630 BANCROFT WAY BERKELEY

COURIER DROP-OFF
LAB REP NOTIFIED: Notification DATE/TIME:
AIRBILL/FLIGHT NO.: Shipper REFERENCE I.D.
EST ARRIVAL DATE: EST. ARRIVAL TIME:

Method Reference 7400 PCM AHERA TEM CARB-AHERA TEM 0.001 s/cc Detection Limit
(PLM (asbestos)) Flame AA (Lead)

Sample Media 25 37 mm 0.45 0.8 micron MCEF (Bulk) Water Wipe

RESULTS DUE: 1/20 2 AM / (PM)

CHAIN OF CUSTODY DATA:
Sending Info 90 ~~86~~ samples submitted by DL (SCA) on 1/11 at 4:21 P
Received by Lab: 91 ~~86~~ samples received by Pcc on 1/13 at 8:22
Received by Analyst: _____ samples received by _____ on _____ at _____

SAMPLE ID	LITERS	~~Results~~ SAMPLE ID	~~Jars/Blanks/Outs~~ SAMPLE ID
MC-FLVC1-1-1,2		MC-CLGH-18-1,2	MC-RFGH-34-1,2,3
-BBMAG-2-1,2		-BRICK-19-1,2,3	-PU11Y-35-1,2,3
-WLPL-3-1,2,3,4,5		-PU11Y-20-1,2,3	-BUCCO-36-1,2,3,4,5
-CLPL-4-1,2,3,4,5		-WLT 21-1,2,3	-CAULK-37-1
-FLVC1-5-1,2		-CLPL-22-1,2,3	-WLPL-17-1,2,3,4,5
-FLVC1-6-1,2		-FLEX-23-1	
-CLGL-7-1,2		-CARMAG-24-1,2,3	
-FLVC1-8-1		-FLVC1-25-1	
-WLGH-9-1,2,3		-FLVC1-26-1	
-BBMAG-10-1,2		-FLVCG-27-1	
-PIHHW-11-1,2		-BBMAG-28-1,2,3	
-PIFTG-12-1,2		-BBMAG-29-1	
-BRICK-13-1,2,3		-SINK-30-1	
-GASKET-14-1		-CLAX1-31-1,2,3,4,5	
-FLUE-15-1		-RFMAG-32-1,2,3	
-FLVC1-16-1,2,3	#NAME?	-PENMAG-33-1,2	
	0 LITERS		BLANK
	0 LITERS		BLANK
	0 LITERS		BLANK

INSTRUCTIONS TO LAB (delete items not applicable AND circle items applicable):
1. ~~Pickup requested~~:
~~Contact~~: _____
~~Time of Call~~: _____
~~2. Call SCA's contact to acknowledge receipt of samples.~~
~~3. Analyze samples by PCM only.~~
~~4. Analyze inside samples by PCM first; if any sample >0.01 f/cc, contact SCA.~~
~~5. If all samples are <0.01 f/cc, proceed with items 6, 7 or 8, as noted.~~
~~6. Analyze inside samples only; stop if Avg >70 str/mm^2, contact SCA before analyzing outsides or blanks.~~
~~7. Analyze all samples, including outside samples and blanks.~~
~~8. Do NOT analyze outside or blank samples.~~
~~9. Analyze by TEM only the inside air sample with the highest PCM result.~~
(10.) Serial analysis; stop at first positive (>1%), ~~first trace (<0.1%)~~; except sheetrock and plaster samples.
~~11. Analyze all bulk samples, unless otherwise indicated.~~
(11.) ANALYZE AND REPORT ALL LAYERS.

Report Number: 323237

Invoice Number: 323237

Supplies /Equipment	Qty
Hi-Vol (3040)	
Lo-Vol (3020)	
TEM / Pb cassettes (3520)	
PCM cassettes (3500)	
Bulk sampling supplies (3710)	~~88~~ 90

	Wipes	Flame AA	Units (each)	LEAD										Units (each)	ASBESTOS
								CARB AHERA 10-15 grid openings	CARB AHERA 35-40 grid openings	TEM AHERA	PLM Std Point Count 400	CARB 435 (400 Pt Ct) w/ prep	PLM Bulk	PCM NIOSH 7400	
< 6 hours			1 to 9	< 6 hours										1 to 9	< 6 hours
			10 to 40											10 to 40	
			>40											>40	
24 hours			1 to 9	24 hours										1 to 9	24 hours
			10 to 40											10 to 40	
			>40											>40	
48 hours			1 to 9	48 hours										1 to 9	48 hours
			10 to 40											10 to 40	
			>40											>40	
3 to 5 days			1 to 9	3 to 5 days										1 to 9	3 to 5 days
			10 to 40											10 to 40	
			>40											>40	
> 6 days			1 to 9	> 6 days										1 to 9	> 6 days
			10 to 40											10 to 40	
			>40											>40	

ver 2011

SCA Environmental, Inc.

CHAIN OF CUSTODY FORM

	Tel	Fax
650 Delancey St. #222, SF, CA 94107	415-882[illegible]675	415-9620736
334 19th St., Oakland, CA 94612	510-6456200	415-9620736
5777 W. Century Blvd. #1055, L.A. CA 90045	310-2580460	415-9620736

CALL/TXT with results:
@messaging.sprintpcs.com

Email rpt / COC & invoice:
CCODEMO @sca-enviro.com

Email Prj Mgr Name:
Chuck Siu Glenn Cass (Christina Codemo)

Accounting Data:

EMAIL HEADING: (Project #) - (Project Manager initials) - (Site Name/Address) - (Date MMDD)
FUGRO DRY CLNR OFFICE BLDG. SAC F11188 CC 1/11

LAB SVY
AIEM LABS 630 BANCROFT WAY BERKELEY

COURIER DROP-OFF
LAB REP NOTIFIED: Notification DATE/TIME:
AIRBILL/FLIGHT NO.: Shipper REFERENCE I.D.
EST ARRIVAL DATE: EST. ARRIVAL TIME:

Method Reference 7400 PCM AHERA TEM CARB-AHERA TEM 0.001 s/cc Detection Limit
(PLM (asbestos)) Flame AA (Lead)

Sample Media 25 37 mm 0.45 0.8 micron MCEF (Bulk) Water Wipe

RESULTS DUE: 1/20 2 AM / (PM)

CHAIN OF CUSTODY DATA:
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Received by Lab: 91 ~~86~~ samples received by Pcc on 1/13 at 8:22
Received by Analyst: _____ samples received by _____ on _____ at _____

SAMPLE ID	LITERS	~~Results~~ SAMPLE ID	~~Jars/Blanks/Outs~~ SAMPLE ID
MC-FLVC1-1-1,2		MC-CLGH-18-1,2	MC-RFGH-34-1,2,3
-BBMAG-2-1,2		-BRICK-19-1,2,3	-PU11Y-35-1,2,3
-WLPL-3-1,2,3,4,5		-PU11Y-20-1,2,3	-BUCCO-36-1,2,3,4,5
-CLPL-4-1,2,3,4,5		-WLT 21-1,2,3	-CAULK-37-1
-FLVC1-5-1,2		-CLPL-22-1,2,3	-WLPL-17-1,2,3,4,5
-FLVC1-6-1,2		-FLEX-23-1	
-CLGL-7-1,2		-CARMAG-24-1,2,3	
-FLVC1-8-1		-FLVC1-25-1	
-WLGH-9-1,2,3		-FLVC1-26-1	
-BBMAG-10-1,2		-FLVCG-27-1	
-PIHHW-11-1,2		-BBMAG-28-1,2,3	
-PIFTG-12-1,2		-BBMAG-29-1	
-BRICK-13-1,2,3		-SINK-30-1	
-GASKET-14-1		-CLAX1-31-1,2,3,4,5	
-FLUE-15-1		-RFMAG-32-1,2,3	
-FLVC1-16-1,2,3	#NAME?	-PENMAG-33-1,2	
	0 LITERS		BLANK
	0 LITERS		BLANK
	0 LITERS		BLANK

INSTRUCTIONS TO LAB (delete items not applicable AND circle items applicable):
1. ~~Pickup requested~~:
~~Contact~~: _____
~~Time of Call~~: _____
~~2. Call SCA's contact to acknowledge receipt of samples.~~
~~3. Analyze samples by PCM only.~~
~~4. Analyze inside samples by PCM first; if any sample >0.01 f/cc, contact SCA.~~
~~5. If all samples are <0.01 f/cc, proceed with items 6, 7 or 8, as noted.~~
~~6. Analyze inside samples only; stop if Avg >70 str/mm^2, contact SCA before analyzing outsides or blanks.~~
~~7. Analyze all samples, including outside samples and blanks.~~
~~8. Do NOT analyze outside or blank samples.~~
~~9. Analyze by TEM only the inside air sample with the highest PCM result.~~
(10.) Serial analysis; stop at first positive (>1%), ~~first trace (<0.1%)~~; except sheetrock and plaster samples.
~~11. Analyze all bulk samples, unless otherwise indicated.~~
(11.) ANALYZE AND REPORT ALL LAYERS.

Report Number: 323237

Invoice Number: 323237

Supplies /Equipment	Qty
Hi-Vol (3040)	
Lo-Vol (3020)	
TEM / Pb cassettes (3520)	
PCM cassettes (3500)	
Bulk sampling supplies (3710)	~~88~~ 90

	Wipes	Flame AA	Units (each)	LEAD										Units (each)	ASBESTOS
								CARB AHERA 10-15 grid openings	CARB AHERA 35-40 grid openings	TEM AHERA	PLM Std Point Count 400	CARB 435 (400 Pt Ct) w/ prep	PLM Bulk	PCM NIOSH 7400	
< 6 hours			1 to 9	< 6 hours										1 to 9	< 6 hours
			10 to 40											10 to 40	
			>40											>40	
24 hours			1 to 9	24 hours										1 to 9	24 hours
			10 to 40											10 to 40	
			>40											>40	
48 hours			1 to 9	48 hours										1 to 9	48 hours
			10 to 40											10 to 40	
			>40											>40	
3 to 5 days			1 to 9	3 to 5 days										1 to 9	3 to 5 days
			10 to 40											10 to 40	
			>40											>40	
> 6 days			1 to 9	> 6 days										1 to 9	> 6 days
			10 to 40											10 to 40	
			>40											>40	

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Analytical Report

WorkOrder: 1401284

Report Created for: SCA Enviromental, Inc.
334 19th Street
Oakland, CA 94612

Project Contact: Christina Codemo
Project P.O.:
Project Name: F-11188; Fugro Dry CLNR Office Bldg. Sac Svy

Project Received: 01/13/2014

Analytical Report reviewed & approved for release on 01/17/2014 by:

Question about your data?

Click here to email McCampbell

Angela Rydelius,
Laboratory Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.

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1534 Willow Pass Road, Pittsburg, CA 94565-1701
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http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: SCA Enviromental, Inc.
Project: F-11188; Fugro Dry CLNR Office Bldg. Sac Svy
WorkOrder: 1401284

Glossary Abbreviation	Description
95% Interval	95% Confident Interval
DF	Dilution Factor
DUP	Duplicate
EDL	Estimated Detection Limit
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not detected at or above the indicated MDL or RL
NR	Matrix interferences, or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix; or sample diluted due to high matrix or analyte content.
RD	Relative Difference
RL	Reporting Limit
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
TEQ	Toxicity Equivalence

Analytical Qualifier	
a4	the reporting limits were raised due to the sample's matrix prohibiting a full volume extraction.
h4	sulfuric acid permanganate (EPA 3665) cleanup

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Analytical Report

Client:	SCA Enviromental, Inc.	**WorkOrder:**	1401284
Project:	F-11188; Fugro Dry CLNR Office Bldg. Sac Svy	**Extraction Method:**	SW3550B
Date Received:	1/13/14 16:01	**Analytical Method:**	SW8082
Date Prepared:	1/13/14	**Unit:**	mg/kg

Polychlorinated Biphenyls (PCBs) Aroclors

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MC-Putty-20	**1401284-008A**	**Solid**	**01/11/2014**	**GC5A**	**85991**

Analytes	Result	RL	DF	Date Analyzed
Aroclor1016	ND	0.50	1	01/14/2014 21:36
Aroclor1221	ND	0.50	1	01/14/2014 21:36
Aroclor1232	ND	0.50	1	01/14/2014 21:36
Aroclor1242	ND	0.50	1	01/14/2014 21:36
Aroclor1248	ND	0.50	1	01/14/2014 21:36
Aroclor1254	ND	0.50	1	01/14/2014 21:36
Aroclor1260	ND	0.50	1	01/14/2014 21:36
PCBs, total	ND	0.50	1	01/14/2014 21:36

Surrogates	REC (%)	Limits	Analytical Comments: a4,h4	
Decachlorobiphenyl	95	70-130		01/14/2014 21:36

MC-Putty-35	**1401284-009A**	**Solid**	**01/11/2014**	**GC5A**	**85991**

Analytes	Result	RL	DF	Date Analyzed
Aroclor1016	ND	0.50	1	01/14/2014 22:13
Aroclor1221	ND	0.50	1	01/14/2014 22:13
Aroclor1232	ND	0.50	1	01/14/2014 22:13
Aroclor1242	ND	0.50	1	01/14/2014 22:13
Aroclor1248	ND	0.50	1	01/14/2014 22:13
Aroclor1254	ND	0.50	1	01/14/2014 22:13
Aroclor1260	ND	0.50	1	01/14/2014 22:13
PCBs, total	ND	0.50	1	01/14/2014 22:13

Surrogates	REC (%)	Limits	Analytical Comments: a4,h4	
Decachlorobiphenyl	86	70-130		01/14/2014 22:13

(Cont.)

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Analytical Report

Client:	SCA Enviromental, Inc.	**WorkOrder:**	1401284
Project:	F-11188; Fugro Dry CLNR Office Bldg. Sac Svy	**Extraction Method:**	SW3550B
Date Received:	1/13/14 16:01	**Analytical Method:**	SW8082
Date Prepared:	1/13/14	**Unit:**	mg/kg

Polychlorinated Biphenyls (PCBs) Aroclors

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MC-Caulk-37	**1401284-010A**	**Solid**	**01/11/2014**	**GC5A**	**85991**

Analytes	Result	RL	DF	Date Analyzed
Aroclor1016	ND	0.50	1	01/14/2014 22:50
Aroclor1221	ND	0.50	1	01/14/2014 22:50
Aroclor1232	ND	0.50	1	01/14/2014 22:50
Aroclor1242	ND	0.50	1	01/14/2014 22:50
Aroclor1248	ND	0.50	1	01/14/2014 22:50
Aroclor1254	ND	0.50	1	01/14/2014 22:50
Aroclor1260	ND	0.50	1	01/14/2014 22:50
PCBs, total	ND	0.50	1	01/14/2014 22:50

Surrogates	REC (%)	Limits	Analytical Comments: a4,h4	
Decachlorobiphenyl	93	70-130		01/14/2014 22:50

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Analytical Report

Client:	SCA Enviromental, Inc.	**WorkOrder:**	1401284
Project:	F-11188; Fugro Dry CLNR Office Bldg. Sac Svy	**Extraction Method**	SW3050B
Date Received:	1/13/14 16:01	**Analytical Method:**	SW6010B
Date Prepared:	1/13/14	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MC-PK-1	**1401284-001A**	**Paint Chips**	**01/11/2014**	**ICP-JY**	**85990**

Analytes	Result	RL	DF	Date Analyzed
Lead	**7300**	5.0	1	01/15/2014 16:37

Surrogates	REC (%)	Limits	
Tb 350.917	101	70-130	01/15/2014 16:37

MC-S1-2	1401284-002A	Paint Chips	01/11/2014	ICP-JY	85990

Analytes	Result	RL	DF	Date Analyzed
Lead	**550**	6.2	1	01/15/2014 16:40

Surrogates	REC (%)	Limits	
Tb 350.917	95	70-130	01/15/2014 16:40

MC-OW-3	1401284-003A	Paint Chips	01/11/2014	ICP-JY	85990

Analytes	Result	RL	DF	Date Analyzed
Lead	**5000**	15	1	01/15/2014 16:43

Surrogates	REC (%)	Limits	
Tb 350.917	99	70-130	01/15/2014 16:43

MC-GR-4	1401284-004A	Paint Chips	01/11/2014	ICP-JY	85990

Analytes	Result	RL	DF	Date Analyzed
Lead	**910**	5.0	1	01/15/2014 16:52

Surrogates	REC (%)	Limits	
Tb 350.917	101	70-130	01/15/2014 16:52

MC-OW-5	1401284-005A	Solid	01/11/2014	ICP-JY	85990

Analytes	Result	RL	DF	Date Analyzed
Lead	**250**	5.0	1	01/15/2014 16:55

Surrogates	REC (%)	Limits	
Tb 350.917	98	70-130	01/15/2014 16:55

(Cont.)

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Analytical Report

Client:	SCA Enviromental, Inc.	**WorkOrder:**	1401284
Project:	F-11188; Fugro Dry CLNR Office Bldg. Sac Svy	**Extraction Method**	SW3050B
Date Received:	1/13/14 16:01	**Analytical Method:**	SW6010B
Date Prepared:	1/13/14	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MC-BR-6	**1401284-006A**	**Solid**	**01/11/2014**	**ICP-JY**	**85990**

Analytes	Result	RL	DF	Date Analyzed
Lead	**790**	5.0	1	01/15/2014 17:09

Surrogates	REC (%)	Limits	
Tb 350.917	94	70-130	01/15/2014 17:09

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MC-FLVCT-8	**1401284-007A**	**Solid**	**01/11/2014**	**ICP-JY**	**85990**

Analytes	Result	RL	DF	Date Analyzed
Lead	**140**	5.0	1	01/15/2014 17:12

Surrogates	REC (%)	Limits	
Tb 350.917	98	70-130	01/15/2014 17:12

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Quality Control Report

Client:	SCA Enviromental, Inc.	**WorkOrder:**	1401284
Date Prepared:	1/13/14	**BatchID:**	85991
Date Analyzed:	1/14/14	**Extraction Method:**	SW3550B
Instrument:	GC5A	**Analytical Method:**	SW8082
Matrix:	Soil	**Unit:**	mg/kg
Project:	F-11188; Fugro Dry CLNR Office Bldg. Sac Svy	**Sample ID:**	MB/LCS-85991

QC Summary Report for SW8082

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Aroclor1221	ND	-	0.050	-	-	-	-
Aroclor1232	ND	-	0.050	-	-	-	-
Aroclor1242	ND	-	0.050	-	-	-	-
Aroclor1248	ND	-	0.050	-	-	-	-
Aroclor1254	ND	-	0.050	-	-	-	-
Aroclor1260	ND	0.195	0.050	0.15	-	130	70-130
PCBs, total	ND	-	0.050	-	-	-	-
Surrogate Recovery							
Decachlorobiphenyl	0.04671	0.05776		0.050	93	116	70-130

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Quality Control Report

Client:	SCA Enviromental, Inc.	**WorkOrder:**	1401284
Date Prepared:	1/13/14	**BatchID:**	85990
Date Analyzed:	1/15/14	**Extraction Method**	SW3050B
Instrument:	ICP-JY	**Analytical Method:**	SW6010B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	F-11188; Fugro Dry CLNR Office Bldg. Sac Svy	**Sample ID:**	MB/LCS-85990

QC Summary Report for SW6010B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Lead	ND	42.68	5.0	50	-	85.4	75-125
Surrogate Recovery							
Tb 350.917	499.8	482.5		500	100	96	70-130

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(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1401284 **ClientCode: SCAO**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Christina Codemo
SCA Enviromental, Inc.
334 19th Street
Oakland, CA 94612
(510) 267-2726 FAX: (510) 839- 6200

Email: ccodemo@sca-enviro.com
cc:
PO:
ProjectNo: F-11188; Fugro Dry CLNR Office Bldg. Sac Svy

Bill to:
Accounts Payable
SCA Enviromental, Inc.
334 19th Street
Oakland, CA 94612
eemuise@sca-ic.com

Requested TAT: 5 days

Date Received: 01/13/2014
Date Printed: 01/17/2014

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1401284-001	MC-PK-1	Paint Chips	1/11/2014	☐		A										
1401284-002	MC-S1-2	Paint Chips	1/11/2014	☐		A										
1401284-003	MC-OW-3	Paint Chips	1/11/2014	☐		A										
1401284-004	MC-GR-4	Paint Chips	1/11/2014	☐		A										
1401284-005	MC-OW-5	Solid	1/11/2014	☐		A										
1401284-006	MC-BR-6	Solid	1/11/2014	☐		A										
1401284-007	MC-FLVCT-8	Solid	1/11/2014	☐		A										
1401284-008	MC-Putty-20	Solid	1/11/2014	☐	A											
1401284-009	MC-Putty-35	Solid	1/11/2014	☐	A											
1401284-010	MC-Caulk-37	Solid	1/11/2014	☐	A											

Test Legend:

1	8082A_PCB_S	2	PB_S	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Zoraida Cortez

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: SCA ENVIROMENTAL, INC.
QC Level: LEVEL 2
Work Order: 1401284
Project: F-11188; Fugro Dry CLNR Office Bldg. Sac Svy
Client Contact: Christina Codemo
Date Received: 1/13/2014
Comments:
Contact's Email: ccodemo@sca-enviro.com

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Number of Containers	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1401284-001A	MC-PK-1	Paint Chips	SW6010B (Lead)	1	2-oz yellow plastic container	☐	1/11/2014	5 days		☐	
1401284-002A	MC-S1-2	Paint Chips	SW6010B (Lead)	1	2-oz yellow plastic container	☐	1/11/2014	5 days		☐	
1401284-003A	MC-OW-3	Paint Chips	SW6010B (Lead)	1	2-oz yellow plastic container	☐	1/11/2014	5 days		☐	
1401284-004A	MC-GR-4	Paint Chips	SW6010B (Lead)	1	2-oz yellow plastic container	☐	1/11/2014	5 days		☐	
1401284-005A	MC-OW-5	Solid	SW6010B (Lead)	1	2-oz yellow plastic container	☐	1/11/2014	5 days		☐	
1401284-006A	MC-BR-6	Solid	SW6010B (Lead)	1	2-oz yellow plastic container	☐	1/11/2014	5 days		☐	
1401284-007A	MC-FLVCT-8	Solid	SW6010B (Lead)	1	2-oz yellow plastic container	☐	1/11/2014	5 days		☐	
1401284-008A	MC-Putty-20	Solid	SW8082 (PCBs Only)	1	2-oz yellow plastic container	☐	1/11/2014	5 days		☐	
1401284-009A	MC-Putty-35	Solid	SW8082 (PCBs Only)	1	2-oz yellow plastic container	☐	1/11/2014	5 days		☐	
1401284-010A	MC-Caulk-37	Solid	SW8082 (PCBs Only)	1	2-oz yellow plastic container	☐	1/11/2014	5 days		☐	

*** NOTE: STLC and TCLP extractions require 48 hrs to complete; therefore, all TATs begin after the extraction is completed (i.e., 24hr TAT yields results in 72 hrs from sample submission).**

Bottle Legend:

2-oz yellow plastic container =

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140284

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: RUSH ☐ 1 DAY ☐ 2 DAY ☐ 3 DAY ☐ 5 DAY ☒

GeoTracker EDF ☐ PDF ☒ EDD ☐ Write On (DW) ☐ EQuIS ☐ 10 DAY ☐

Effluent Sample Requiring "J" flag ☐ UST Clean Up Fund Project ☐ ; Claim #_____

Report To: CHRISTINA CODEMO Bill To: SCA ENV.

Company: SCA ENVIRONMENTAL, INC.
334 19TH ST.
OAKLAND, CA 94612

E-Mail: CCODEMO@SCA-ENVIRO.COM

Tele: (415) 867-9540 Fax: (415) 962-0736

Project #: F-11188 Project Name: FUGRO DRY CLNR

Project Location: 1419 16TH ST, SAC Purchase Order# OFFICE BLDG SAC SVY

Sampler Signature: DAN LEUNG

Analysis Request

SAMPLE ID	Location/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	MATRIX Ground Water	MATRIX Waste Water	MATRIX Drinking Water	MATRIX Sea Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	BTEX/ MTBE & TPH as Gas (8021/ 8015)	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	BTEX/ MTBE & TPH as Gas (8260)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Metals (200.7 / 200.8 / 6010 / 6020)	Filter sample for DISSOLVED metals analysis	PCB (8082)	LEAD (1LC)		
MC-PK-1		1/11		1								X																					X		
-SI-2		↓		1								X																					X		
-OW-3				1								X																					X		
-GR-4				1								X																					X		
-OW-5				1								X																					X		
-BR-6				1								X																					X		
-FLVCT-8				1								X																					X		
-PU11Y-20				1								X																				X			
-PU11Y-35				1								X																				X			
-CAULK-37				1								X																				X			

**MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

Relinquished By:	Date:	Time:	Received By:
DAN LEUNG	1/11	6:00P	
	1/13/14	1500	

ICE/t°_____
GOOD CONDITION_____
HEAD SPACE ABSENT_____
DECHLORINATED IN LAB_____
APPROPRIATE CONTAINERS_____
PRESERVED IN LAB_____

COMMENTS:

VOAS O&G METALS OTHER HAZARDOUS:
PRESERVATION_____ pH<2_____

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name: **SCA Enviromental, Inc.** Date and Time Received: **1/13/2014 4:01:00 PM**

Project Name: **F-11188; Fugro Dry CLNR Office Bldg. Sac Svy** LogIn Reviewed by: Zoraida Cortez

WorkOrder N°: **1401284** Matrix: Paint Chips/Solid Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp:		NA ☑
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	NA ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☐	No ☑	

** NOTE: If the "No" box is checked, see comments below.*

Comments:

Appendix E

Abatement Cost Estimate

Room ID------- Material ID	Components	RACM, Cat I Non Friable, Cat II Non Friable	Units	TOTAL+/- 15%	Estimated Abatement Cost per unit	Total Cost
ASBESTOS						
PIHHW-11	off-white insulation with canvas wrap on heating hot water pipes	RACM	LF	1000	$5.00	$5,000.00
PIFTG-12	off-white insulation with canvas wrap on heating hot water elbows	RACM	EA	78	$5.00	$390.00
CLSH-18	ceiling drywall (-) with joint compound (+)	RACM	SF	1000	$3.50	$3,500.00
BRICK-13	12"x12" red brick/clay wall with grey mortar	Cat II Non Friable	SF	2325	$10.00	$23,250.00
FLUE-15	transite boiler flue	Cat II Non Friable	LF	30	$5.00	$150.00
PUTTY-20	off-white interior window putty	Cat II Non Friable	EA	15	$100.00	$1,500.00
FLVCT-6	9"x9" grey with white streaks vinyl floor tile (+) with yellow glue (-)	Cat I Non Friable	SF	65	$5.00	$325.00
PENMAS-33	grey penetration roofing mastic	Cat I Non Friable	SF	3900	$2.00	$7,800.00
FLVCT-16	9"x9" grey with black and white streaks vinyl floor tiles (<1%CH) with black mastics (-)	Cat I Non Friable	SF	400	$5.00	$2,000.00
WLMAS-AAA1	wall glue behind stippled/flat wood wall panels	Cat II Non Friable	SF	820	$4.00	$3,280.00
WLMAS-AAA2	wall mirror mastic	Cat II Non Friable	SF	20	$4.00	$80.00
FLFELT-AAA3	felt, tars and mastics under hardwood flooring	RACM	SF	850	$3.50	$2,975.00
BOILER-AAA4	boiler insulation under metal jacket (double wall)-no bricks noted on interior	RACM	SF	70	$14.00	$980.00
VAPOR-AAA5	vapor barriers under concrete slab and restrooms on upper floors	Cat II Non Friable	SF	8400	$10.00	$84,000.00
VAPOR-AAA11	vapor barriers on subterranean basement sidewalls	Cat II Non Friable	SF	800	$10.00	$8,000.00
FIREDOORS-AAA7	fire doors with assumed asbestos core insulation	RACM	EA	2	$50.00	$100.00
FORMICA-AAA8	wood-look formica counter top and associated mastic	Cat II Non Friable	SF	30	$5.00	$150.00
RFROLL-AAA9	grey rolled roofing on main field and parapets	Cat I Non Friable	SF	3900	$2.00	$7,800.00
PIDHW-AAA10	pipe insulation & fittings assumed present within wall cavities and above ceiling areas	RACM	LF	560	$5.00	$2,800.00
PAPER-AAA11	paper behind stucco-not accessible without destructive testing but assumed present	Cat II Non Friable	SF	4300	$5.00	$21,500.00
OTHER HAZMATS						
TUBES	Mercury-containing fluorescent tubes	not applicable	EA	99	$3.00	$297.00
BALLASTS	Possible PCB-containing lighting ballasts		EA	60	$1.25	$75.00
LEAD PAINT	Stabilization of lead coatings		SF	1500	$0.50	$750.00

Contractor Total		**$132,787**
Consultant Monitoring	15%	$19,918
Abatement Total		$152,705

Appendix F

Abatement Work Plan

SECTION 02 80 01

HAZARDOUS MATERIALS ABATEMENT WORK PLAN

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SECTION 02 80 01

HAZARDOUS MATERIALS ABATEMENT WORK PLAN

Project:	Demolition Project Mercury Cleaners 1419 16th Street Sacramento, CA	**Updated:**	February 6, 2014

The work covered by this work plan includes the removal, handling and disposal of various hazardous materials in accordance with all sections of the attached specifications, and applicable federal, state and local regulations at the above designated site. A copy of this Abatement Work Plan is to be posted on-site during the abatement work.

I. SUMMARY OF WORK

X	Removal and disposal of asbestos-containing materials (ACM) and asbestos-containing construction materials (ACCM) as part of the demolition and renovation.
X	Scraping of loose and peeling paints as required for disposal of intact painted elements as non-hazardous waste, including associated dust controls and personal protective procedures in compliance with Cal/OSHA's Construction Lead Standard, 8 CCR 1532.1 and CDPH regulation 17 CCR Sections 35001 through 36100.
X	Demolition, removal and disposal of painted surfaces with lead-containing paints whereby airborne exposures may exceed the permissible exposure level, requiring such work to be completed by CDPH Certified Lead Workers and Supervisors in compliance with Cal/OSHA's Construction Lead Standard, 8 CCR 1532.1 and CDPH regulation 17 CCR Sections 35001 through 36100.
X	Removal and disposal of PCB-containing ballasts.
X	Removal and recycling of mercury-containing lamps & thermostats.

II. SUBMITTALS:

Pre-job Submittals (as designated):

X	SMAQMD Notification, as needed (10 working days in advance);
X	Cal/OSHA Notification per 8 CCR 1529 (24-hours in advance);
	CDPH Notification Form 8551 (12/97) for Abatement of Lead Hazards
X	copy of current Contractors' State Licensing Board (CSLB) License;
X	copy of Cal/OSHA Asbestos Registration Certificate;
X	proof of all required permits or variances;
X	abatement work schedule;
X	abatement work plan(s);
X	copies of workers' asbestos training certificates, including the Competent Person;
X	copies of workers' lead awareness training certificates;
X	copies of workers' annual medical exam and respirator approval;
X	copies of workers' 12-month respirator fit testing records;
X	copies of workers' blood lead test within past 90 days;
X	Material Safety Data Sheets (MSDS) for chemicals used;
X	emergency phone and pager listing;
X	Independent on-site third-party DOP testing of negative pressure units and vacuums;
X	proposed location of locked dumpster; and
X	rotameter calibrations within past 6 months.

Periodic Submittals (as designated):

X	personal air monitoring (daily);
X	updated worker documentation (as needed);
X	boundary access logs (daily);
X	negative pressure records (daily); and
X	copies of updated notification to regulatory agencies (as needed).

Project Close-out Submittals (as designated within 2 weeks of completion):

X	Certificate of Completion;
X	receipt and weight tickets from landfill operator or recycler (as applicable);
X	copies of completed uniform waste manifests, including hazardous and non-hazardous waste;
X	waste profiling data (TCLP, WET and SW846, as applicable);
X	filter change logs for all filtration units, water filtration units (as applicable) and respirators;
X	foreman's daily job reports;
X	employee and visitor entry/exit logs for all containments;
X	manometer printouts for all applicable containments; and
X	air sample results for all personnel, work areas and air filtration units.

III. SCHEDULE

Start Date:	TBD
End Date:	TBD
Maximum Abatement Shifts:	TBD
Work hours:	TBD

TBD=to be determined

IV. CONTACTS:

Contact	***Individual***	***Phone #***	***Fax #***	***Cell #***
Project Manager:	TBD	TBD	TBD	TBD
Abatement Contractor	TBD	TBD	TBD	TBD
Environmental Consultant:	TBD	TBD	TBD	TBD
Prime Contractor:	TBD	TBD	TBD	TBD

TBD=to be determined

V. SECURITY

Arrange site security with the Owner's representative at the beginning of the job. Please note the following:

1. Abatement contractor employees and equipment will be required to enter the building at entrance ways designated by the Owner's representative. No employee may enter the building at any other point than the designated entryways.
2. Abatement contractor's equipment will be stored and secured in an area agreed upon by the Owner's representative and the Contractor.
3. Provide temporary security at building penetrations created by the demolition and abatement.

VI. SPECIAL CONDITIONS

1. The minimum negative pressure level for this project is –0.02" w.g. at all locations. The Abatement contractor is responsible for maintaining this level during all work activities, including bagout and until satisfactory clearance air results have been received and notice of clearance is provided by the Environmental Consultant.

2. Negative pressure recording: the Abatement contractor is responsible for recording negative pressure as follows:
   a. Negative pressure will be recorded throughout the entire project, including inspections, clearance testing, and at all times until the Consultant provides a final clearance notice.
   b. At least one spare manometer must be kept on site at all times.
   a. A printout of recordings must be transmitted to the Environmental Consultant by the Abatement Contractor each day.

3. The Contractor will set up the entire building as one abatement zone and complete all work within the containment. One set of clearance samples will be collected following completion of the abatement activities. If multiple abatement zones are established, the Abatement Contractor will be back charged for all labor, equipment, expenses, and analytical costs associated with clearance inspections, perimeter monitoring, final visual and clearance air sampling and analysis for the additional containments.

4. Waste will be removed from the buildings each night and disposed of in approved waste receptacles in the designated loading area. Waste receptacles will be properly labeled and locked each night.

5. Air Sampling:
   a. PCM Analysis: Analysis of PCM samples shall follow the procedures outlined in NIOSH method 7400 and within these Contract Documents.

   b. TEM Analysis: The U. S. Environmental Protection Agency passed regulations for schools under the Asbestos Hazard Emergency Response Act (AHERA), which are found in 40 CFR Part 763 "Asbestos Containing Materials in Schools". This regulation states that all abatement work shall be evaluated upon completion by collecting air samples using aggressive sampling techniques and that all such samples shall be analyzed using Transmission Electron Microscopy (TEM). The TEM protocol for large projects/zones calls for the collection of a minimum of 5 inside samples, 5 outside samples, and 3 blank samples and each should be analyzed by TEM. The regulation strictly defines the criteria that must be met to determine that a building is acceptably clean after removal. TEM analysis turnaround times shall be 24 hours, unless otherwise indicated.

   c. The sampling and analytical criteria in the AHERA regulation for schools shall be viewed as the preferred method for determining that any asbestos abatement project in any building has achieved a satisfactory level of cleanliness.

   d. The Owner shall pay the Environmental Consultant's costs of the final round of visual inspections, air sampling, and PCM and/or TEM analyses that will meet the asbestos abatement specification. All rounds of visual inspections, air sampling, and PCM and/or TEM analyses that fail to meet the contract criteria shall be borne by the Contractor. For the purpose of this paragraph, visual inspection includes the area isolation inspection, pre-encapsulation inspection, and final area clean-up inspection.

   e. During all asbestos-related work, perimeter sample results will be collected by the designated Environmental Consultant (Industrial Hygienist). These samples will be analyzed by Phase Contrast Microscopy (PCM). Sample results that are in excess of the background level or 0.01 fibers per cubic centimeter (f/cc) Project Action Level may be forwarded for analysis by Transmission Electron Microscopy (TEM) with a 12-hour turnaround specified. Handling, shipping, and analysis charges (including the Environmental Consultants time and expenses) will be paid for by the

Contractor. Any sample results in excess of 70 asbestos structures per square millimeter of filter area (corrected for a 1,200 - 1,800 liter sample volume as appropriate) will require cleaning, inspection, and resampling of the affected area at the Contractor's expense.

f. During all lead hazard-related work, such as demolition, torching and welding activities, etc., as applicable, perimeter air sample and/or lead wipe sample results may be collected by the designated Environmental Consultant (Industrial Hygienist). These samples will be analyzed by flame atomic absorption. Wipe sample results which are in excess of the construction dust control standard of 800 micrograms per square foot for adjoining construction zones on two consecutive samplings (or two consecutive days) or 40 micrograms per square foot for adjoining floor areas on any occasion will require isolation and clean-up of the affected areas. Air sampling results in excess of the Cal/OSHA "Project Action Level" of 30 micrograms per cubic meter will require isolation of the work area and amendment of work procedures and/or clean-up of the affected areas. Resampling of the affected areas and handling, shipping, and analysis charges (including the Environmental Consultant's time and expenses) for additional sampling required to show background levels below these construction lead standards shall be borne by the Contractor.

5. Submittals:
   a. All pre-construction submittals shall be forwarded to the Owner's representative and the Owner's designated Environmental Consultant prior to the start of abatement as designated in the Contract Documents and herein. Documents shall be provided at least **5 business days prior to** commencement of abatement activities.

   b. Failure by the Contractor to fulfill the submittal requirements as specified in the Contract Documents and herein shall be the basis for withholding final payment until such submittal requirements are satisfied.

6. Waste Manifests:
   a. The Contractor shall coordinate the inspection and signing of all waste manifests with the Owner and its Environmental Consultant, while on-site. Failure to complete the manifests or callbacks after completion of the project will be backcharged to the Contractor.

7. The Contractor shall pay for all Environmental Consultant costs for delays in completion of work beyond the authorized schedule established as stated in Section III of this abatement work plan or in the contract documents. Such charges shall include Consultant's observations and inspections, daily air monitoring, equipment, transportation and analysis charges. Such costs are estimated at $1,500 per day, exclusive of any costs associated with final clearance air testing.

VII. SUMMARY OF SURVEY RESULT AND CONDITIONS

For a list of ACM, ACCM and non asbestos-containing materials in the buildings, refer to the material matrix report (MMR) attached to this work plan. All assumed materials listed on the MMR shall be considered asbestos-containing and treated accordingly until sampling can be performed by a Certified Asbestos Consultant to verify asbestos content. Additional suspect materials identified should be assumed asbestos-containing until such time as sampling can be performed to verify asbestos content.

SCA also performed a limited lead sampling of representative coatings in the buildings. Sampling was performed by collection of bulk samples in various locations. Paints were noted to be loose and peeling in various areas at the time of the survey. Refer to the attached MMR for a summary of results.

As lead was identified in some paints and a detailed inventory of paints was not performed for the project, for the purpose of complying with the Cal/OSHA lead in construction regulation (8 CCR 1532.1), all coated surfaces shall be considered to contain some lead.

Treat all similar paints and substrates in kind. Note that most building paints contain some lead content, and require demolition dust control procedures for compliance with Cal/OSHA's Construction Lead Standard under 8 CCR 1532.1.

Characterize debris from coated materials for possible disposal as hazardous waste. Intact painted elements may be disposed as non-hazardous waste complying with dust controls and personal protective procedures per Cal/OSHA regulation 8 CCR 1532.1 and CDPH regulation 17 CCR Sections 35001 through 36100, if both the total and leachable lead contents of the waste streams are below 1000 mg/kg and 5 mg/liter (WET and TCLP tests).

VIII. SCOPE OF WORK

Contractor will be responsible for quantifying all hazardous materials requiring abatement for bidding purposes. Materials listed below include all identified hazardous materials that may be impacted within the area.

Asbestos Abatement:
Task 1

Abatement Material	Thermal System Insulation (TSI)					
Method:	X	Full Isolation or Mini-Containments		Glovebag	X	Glovebag-Cutout

Material	***Activity Class***	***Material I.D.***	***% Asbestos***	***Est. Quantity requiring abatement*** *(Field verify)*
Off-white insulation with canvas wrap on heating hot water pipes	1	PIHHW-11	Refer to Section VII	Refer to Section VII
Off-white insulation with canvas wrap on heating hot water pipe elbows	1	PIFTG-12	Refer to Section VII	Refer to Section VII
Boiler insulation under metal jacket (double wall)	1	BOILER-AAA4	Refer to Section VII	Refer to Section VII
Pipe insulation and fittings assumed present within wall cavities and above ceiling areas	1	PIDHW-AAA11	Refer to Section VII	Refer to Section VII

Decon System:	X	Shower		Central		Bucket
Floors:	2	# of Polyethylene Layers			Splash Guards	
Walls:	1	# of Polyethylene Layers			Splash Guards	
Criticals:	2	# of Polyethylene Layers			Plywood Barriers	

Other Comments: Set-up secondary containment for all glovebag abatement areas, or set-up full isolation containment satisfying all requirements of Cal/OSHA 8 CCR 1529 Work Class 1 procedures. Use wet methods for dust controls. Double bag the waste and dispose as friable asbestos waste.

The abatement contractor will be responsible for opening all wall cavities, ceiling plenum areas, etc. to chase piping and identify asbestos-containing or assumed asbestos-containing insulation. The Environmental Consultant will verify all piping insulation has been abated prior to final clearance.

Areas with evidence of damaged TSI will require HEPA-vacuuming of the access to this debris as well as vacuuming of all piping, ductwork and substrate materials within a minimum 5-ft. radius of all such contamination.

All loose and abated materials must be locked within the waste dumpster daily before leaving the site.

Task 2

Abatement Materials	Mirror & wall mastics					
Method:	X	Full Isolation or Mini-Containments		Glovebag		Glovebag-Cutout
Material	***Activity Class***	***Material I.D.***		***% Asbestos***	***Est. Quantity requiring abatement*** *(Field verify)*	
Wall panel mastics	2	WLMAS-AAA1		Refer to Section VII	Refer to Section VII	
Mirror mastics	2	WLMAS-AAA2		Refer to Section VII	Refer to Section VII	
Decon System:	X	Shower		Central		Bucket
Floor:	1	# Layers Poly		Drop Cloths		Scaffold
Walls:		# of Polyethylene Layers		Splash Guards		
Criticals:	1	# of Polyethylene Layers		Plywood Barriers		
Other Comments: Remove materials satisfying the requirements of Cal/OSHA 8 CCR 1529 Work Class 2 procedures. Use wet methods for dust controls. Dispose of materials as asbestos waste. All loose and abated materials must be locked within the waste dumpster daily before leaving the site.						

Task 3

Abatement Materials	Roofing Materials					
Method:	X	Full Isolation or Mini-Containments		Glovebag		Glovebag-Cutout
Material	***Activity Class***	***Material I.D.***		***% Asbestos***	***Est. Quantity requiring abatement*** *(Field verify)*	
Rolled roofing on main field and parapet	2	RFROLL-AAA9		Refer to Section VII	Refer to Section VII	
Penetration roofing mastic	2	PENMAS-33		Refer to Section VII	Refer to Section VII	
Decon System:		Shower		Central	X	Hudson sprayer or bucket decon if <25 SF
Floor:		# Layers Poly	X	Drop Cloths		Scaffold
Walls:		# of Polyethylene Layers		Splash Guards		
Criticals:	1	# of Polyethylene Layers		Plywood Barriers		
Other Comments: Install critical barriers at roof vents, skylights and openings within 10 ft. radius of any other work. Use wet methods in compliance with Cal/OSHA Work Class 2 procedures per 8 CCR 1529. Double bag all wastes and dispose as asbestos waste. All loose and abated materials must be locked within the waste dumpster daily before leaving the site.						

Task 4

Abatement Materials	Putty					
Method:	X	Cordon Area		Glovebag		Glovebag-Cutout
Material	***Activity Class***	***Material I.D.***		***% Asbestos***	***Est. Quantity requiring abatement*** *(Field verify)*	
Window Putty	2	PUTTY-20		Refer to Section VII	Refer to Section VII	
Decon System:	____	Shower	____	Central	X	Hudson sprayer or bucket decon
Floor:	____	# Layers Poly	X	Drop Cloths	____	Scaffold
Walls:	____	# of Polyethylene Layers		__	Splash Guards	
Criticals:	1	# of Polyethylene Layers		__	Plywood Barriers	

For caulks: Close and seal off all windows from the inside. Install drop cloths as required to contain caulk debris. Remove the entire window as a unit, wrap in polyethylene sheeting and dispose of as asbestos waste. HEPA-vacuum surrounding area and drop cloths before final visual clearances.

Although not anticipated for the project, where caulk removal will result in RACM, complete abatement within a full isolation containment per Cal/OSHA 8 CCR 1529 Work Class 2 procedures, minimum, with negative pressurization of the zone(s).

All loose and abated materials must be locked within the waste dumpster daily before leaving the site.

Task 5

Abatement Materials	Vinyl Floor Tiles & Hardwood Flooring felts, tars & mastics					
Method:	X	Full Isolation or Mini-Containments		Glovebag		Glovebag-Cutout
Material	***Activity Class***	***Material I.D.***		***% Asbestos***	***Est. Quantity requiring abatement*** *(Field verify)*	
Vinyl Composite Tile	2	FLVCT-6 FLVCT-16		Refer to Section VII	Refer to Section VII	
felts, tars and mastics under hardwood flooring	2	FLFELT-AAA3		Refer to Section VII	Refer to Section VII	
Decon System:	X	Shower		Central		Bucket
Floor:		# Layers Poly		Drop Cloths		Scaffold
Walls:	1	# of Polyethylene Layers			Splash Guards	
Criticals:	1	# of Polyethylene Layers			Plywood Barriers	

For vinyl flooring: Abate the vinyl floor tiles per Cal/OSHA 8 CCR 1529 Work Class II procedures, minimum, with negative pressurization of the zone(s). Remove baseboards as necessary. Dispose of waste as asbestos waste.

For felt, tars and mastics under hardwood flooring: Abate the materials per Cal/OSHA 8 CCR 1529 Work Class II procedures, minimum, with negative pressurization of the zone(s). Remove baseboards as necessary. Dispose of waste as asbestos waste.

Remove the mastics using an approved "low odor" mastic remover with greater than 140°F flash point. Dispose of tile waste as Category 1 non-friable waste. Characterize and dispose of rags and solvent residues as a separate hazardous waste stream.

All loose and abated materials must be locked within the waste dumpster daily before leaving the site.

Task 6

Abatement Materials	Drywall, tape & mud					
Method:	X	Full Isolation or Mini-Containments	___	Central	X__	Hudson sprayer or bucket decon

Material	***Activity Class***	***Material I.D.***	***% Asbestos***	***Est. Quantity requiring abatement*** *(Field verify)*
Drywall ceilings, tape & mud	2	CLSH-18	Refer to Section VII	Refer to Section VII

Decon System:	X	Shower		Central		Bucket
Floor:	1	# Layers Poly		Drop Cloths		Scaffold
Walls:	1	# of Polyethylene Layers	X	Splash Guards		
Criticals:	1	# of Polyethylene Layers		Plywood Barriers		

Other Comments:

Remove materials using full isolation or mini-containment procedures, satisfying the requirements of Cal/OSHA 8 CCR 1529 Work Class II procedures, unless otherwise noted. Use wet methods for dust controls. Dispose of composite sheetrock and joint compound materials as friable asbestos waste.

If authorized by the client, point counting can be performed to verify material is trace composite (<1% chrysotile asbestos). If composite point count analysis is requested, samples collected as part of the survey will be analyzed per the direction of the environmental consultant or additional samples (minimum of 3) will be collected from the area requiring abatement and analyzed at the contract laboratory. If the material is identified as “trace” composite asbestos waste based on point counting results, the materials may be disposed of as “trace” composite waste in accordance with all federal, state, and local regulations. Note that trace asbestos abatement involving more than 100 SF of wallboard must be completed by a registered Abatement Contractor per the California Business & Professions Code (8 CCR Sections 341.6-9).

All loose and abated materials must be locked within the waste dumpster daily before leaving the site.

Task 7

Abatement Materials	Vapor/moisture paper under exterior stucco					
Method:	X	Full Isolation or Mini-Containments		Glovebag		Glovebag-Cutout
Material	***Activity Class***	***Material I.D.***		***% Asbestos***	***Est. Quantity requiring abatement*** *(Field verify)*	
Vapor/moisture paper under exterior stucco	2	PAPER-AAA11		Refer to Section VII	Refer to Section VII	
Decon System:		Shower		Central	X	Bucket
Floor:		# Layers Poly		Drop Cloths		Scaffold
Walls:		# of Polyethylene Layers			Splash Guards	
Criticals:	1	# of Polyethylene Layers			Plywood Barriers	

For stucco: Seal vents, windows, etc. with one layer of 6-mil polyethylene sheeting as a critical barrier. Cordon area and set up drop cloths on the ground under the exterior stucco removal area and remove the stucco to expose the moisture barrier paper. Remove the paper and wrap for disposal. HEPA vacuum the surrounding area following the abatement for final clearance. Dispose of all debris as Category 2 non-friable waste. Where paper removal will result in RACM, complete abatement within a full isolation containment and dispose of as friable asbestos waste.

All loose and abated materials must be locked within the waste dumpster daily before leaving the site.

Task 8

Abatement Material	Vapor Barriers under slab and restrooms and on basement subterranean sidewalls					
Method:	X	Cordon Area		Glovebag		Glovebag-Cutout
Material	***Activity Class***	***Material I.D.***		***% Asbestos***	***Est. Quantity requiring abatement*** *(Field verify)*	
Vapor Barriers under slab and restrooms and on basement subterranean sidewalls	2	VAPOR-AAA5 VAPOR-AAA11		Refer to Section VII	Refer to Section VII	
Decon System:		Shower		Central	X	Bucket
Walls:	1	# of Polyethylene Layers			Splash Guards	
Criticals:	2	# of Polyethylene Layers			Plywood Barriers	

Vapor Barriers: A licensed asbestos Abatement Contractor will be responsible removal and disposal of the concrete and vapor barrier material. Contractor will water down area during coring and dispose of asbestos debris generated by the excavation as asbestos waste. Vapor barrier adhering to the concrete shall be disposed of at an approved landfill. Concrete with vapor barrier will not be recycled.

Task 9

Abatement Materials	Miscellaneous Items					
Method:	X	Full Isolation or Mini-Containments		Glovebag		Glovebag-Cutout

Material	***Activity Class***	***Material I.D.***	***% Asbestos***	***Est. Quantity requiring abatement*** *(Field verify)*
Formica and associated mastics	2	FORMICA-AAA8	Refer to Section VII	Refer to Section VII
Brick/clay wall with grey mortar	2	BRICK-13	Refer to Section VII	Refer to Section VII
Transite boiler flue	2	FLUE-15	Refer to Section VII	Refer to Section VII
Fire doors with assumed ACM core insulation	2	FIREDOORS-AAA7	Refer to Section VII	Refer to Section VII

Decon System:		Shower		Central		X	Bucket
Floor:		# Layers Poly	X	Drop Cloths			Scaffold
Walls:		# of Polyethylene Layers				Splash Guards	
Criticals:	1	# of Polyethylene Layers				Plywood Barriers	

For brick/clay and mortar walls: Complete abatement within a full isolation containment per Cal/OSHA 8 CCR 1529 Work Class 2 procedures, minimum, with negative pressurization of the zone(s). Dispose of debris as asbestos waste. HEPA vacuum for final clearance.

For flue: Remove the flue intact. Wrap and dispose of as asbestos waste.

For fire doors: Remove the materials intact without disturbance to interior core. Double wrap and dispose of as friable asbestos waste.

Other Formica counters and associated mastics*:* Remove items intact without disturbance. Wrap and dispose of as asbestos waste. HEPA-vacuum surrounding area and drop cloths before final visual clearances.

All loose and abated materials must be locked within the waste dumpster daily before leaving the site.

Lead Hazards Construction Work:
Task 10

Abatement Material:	Removal of loose and peeling lead-containing paints				
Sample I.D.	***Color***	***Area***	***Lead Content***	***Activity Class***	
Majority of painted substrates	All	All	>600 ppm	1	
Decon System:		Shower	___	Central	X__	Bucket
Required Methods:		Full Containment	X__	Manual Methods w/Drop Cloths	X__	Loose & Peeling Paints Only

Other Comments:
Quantities: field verified and as needed.

For Stabilization of Loose & Peeling Paints: Manually scrape and stabilize loose and peeling paints prior to demolition of painted substrates using drop cloths, wet methods, and HEPA vacuums for dust control in compliance with Cal/OSHA regulation 8 CCR 1532.1. Avoid dry sweeping.

For Disposal & Cleanup: Demolish per the renovation plans and dispose of intact painted substrates as non-hazardous waste if both the total and leachable lead contents of the waste streams are below 1000 mg/kg and 5 mg/liter (WET and TCLP tests). Characterize loose and peeling paint debris, chemical strippers, rags, etc. as required per all federal, state, and local regulations. Clean-up drop cloths and HEPA vacuum loose and peeling chips and debris daily for all work areas before leaving the site.

Other Items:
Task 11

PCB Ballasts:	X	Remove and dispose of all PCB ballasts throughout the building prior to demolition. Any ballast not otherwise labeled by the manufacturer as non-PCB are considered as PCB containing. Quantity— field verify.
Mercury Lamp Recycling	X	Remove and recycle fluorescent lamps throughout the building prior to demolition. Quantity— field verify.

IX. MONITORING AND CLEARANCE

Asbestos Clearance Requirements (includes estimated # of samples):

Felts, tars and mastics under hardwood flooring	___ Visual Only	___ PCM/zone	1-5 TEM/zone
Vinyl flooring	___ Visual Only	___ PCM/zone	1-5 TEM/zone
Thermal Systems Insulation	___ Visual Only	___ PCM/zone	1-5 TEM/zone
Drywall and associated materials	___ Visual Only	___ PCM/zone	1-5 TEM/zone
Brick wall and mortar	___ Visual Only	___ PCM/zone	1-5 TEM/zone
Roofing Abatement	X Visual Only	___ PCM/zone	___ TEM/zone
Mirror Mastic	X Visual Only	___ PCM/zone	___ TEM/zone
Fire Doors	X Visual Only	___ PCM/zone	___ TEM/zone
Formica Counters & mastics	X Visual Only	___ PCM/zone	___ TEM/zone
Boiler flue	X Visual Only	___ PCM/zone	___ TEM/zone
Vapor barriers under slab & restrooms and on basement sidewalls	X Visual Only	___ PCM/zone	___ TEM/zone
Window putty	X Visual Only	___ PCM/zone	___ TEM/zone
Vapor paper under exterior stucco	X Visual Only	___ PCM/zone	___ TEM/zone

Lead Clearance Requirements:

Interior	X Visual Only	____ Wipes Sampling Post Construction prior to reoccupancy, levels are to comply with the CDPH Title 17 requirements.	____ Air Sampling

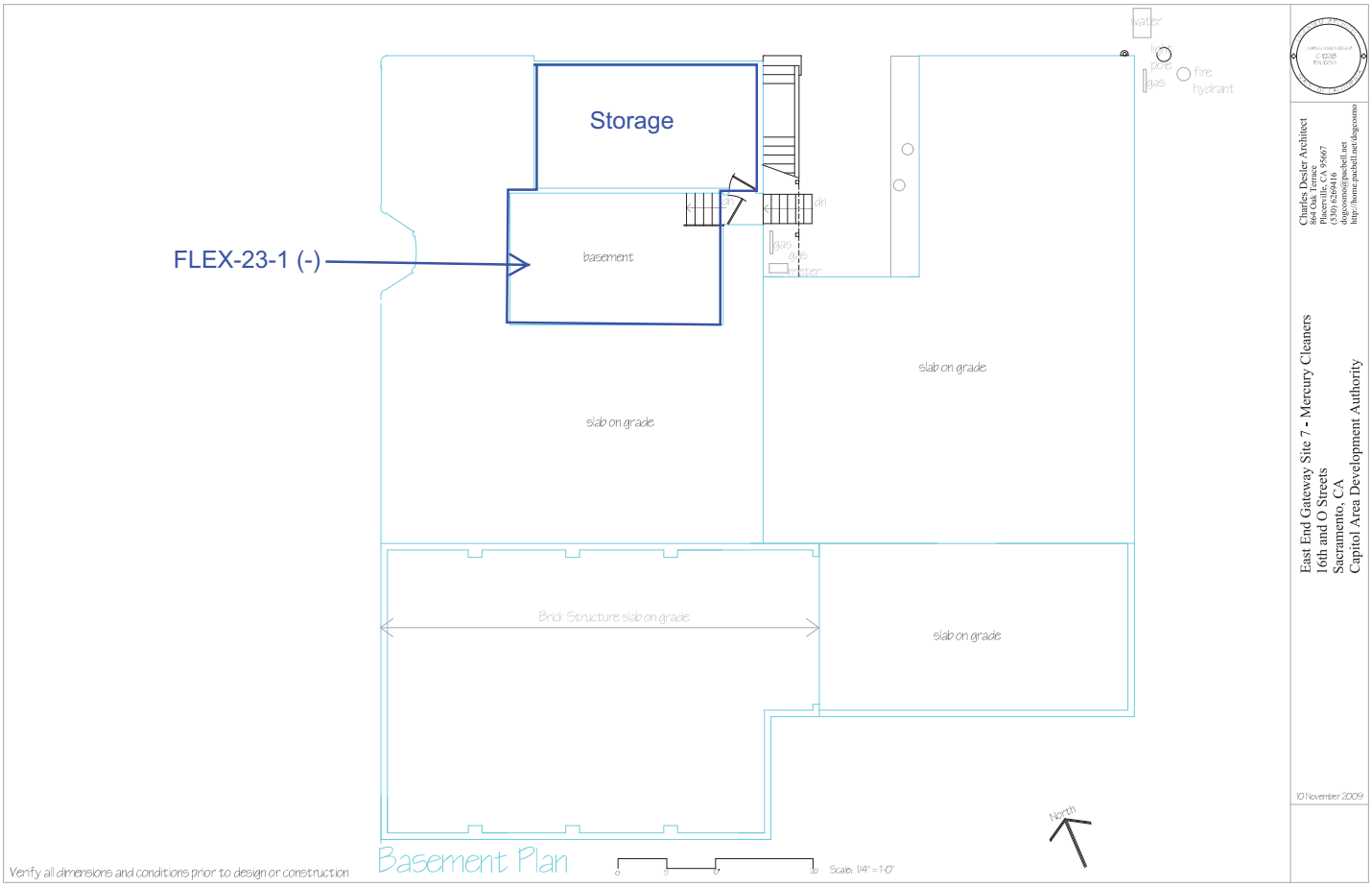
X. SIGNATURES

Consultant's Signature: Chuck Siu, CIH, PE, CSP, CAC (92-0098), CDPH	Date: 2/6/14
Consultant's Signature: Christina Codemo, CHMM, CAC (99-2649), REPA	Date: 2/6/14
Contractor's Signature	Date:

Room ID------- Material ID	Components	RACM, Cat I Non Friable, Cat II Non Friable	Positive? Yes, No, Trace, Assumed Positive, mg/kg	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Units	Bsmt: Storage	1st Floor: Entry	Office	RR	Clothing	Mech	Steam	Wash	Dryclean	2nd Floor: N. Office	S. Office	Hallway	Stairs	Other Areas: Piping Systems [A]	Exterior	Roof	TOTAL+/- 15%
ASBESTOS																										
PIHHW-11	off-white insulation with canvas wrap on heating hot water pipes		Yes	40% AM; 20% CH	NA				LF					220		280	70	130					300			1000
PIFTG-12	off-white insulation with canvas wrap on heating hot water elbows		Yes	40% AM; 20% CH	NA				EA					12		8	5	23					30			78
CLSH-18	ceiling drywall (-) with joint compound (+)		Yes	10% CH	10% CH				SF							1000										1000
FLFELT-AAA3	felt, tars and mastics under hardwood flooring	**RACM**	Assumed Positive						SF				400	450												850
BOILER-AAA4	boiler insulation under metal jacket (double wall)-no bricks noted on interior		Assumed Positive						SF						70											70
FIREDOORS-AAA7	fire doors with assumed asbestos core insulation		Assumed Positive						SF						50			50								100
PIDHW-AAA10	pipe insulation & fittings assumed present within wall cavities and above ceiling areas		Assumed Positive						LF			40	80		10				100	40			300			570
BRICK-13	12"x12" red brick/clay wall (-) with grey mortar (+) and silver paint (-)		Yes	5% CH	NA	NA			SF					375	500		1150	300								2325
FLUE-15	transite boiler flue		Yes	40% CH; 5% CR					LF						10										20	30
PUTTY-20	off-white interior window putty		Yes	5% CH	NA	NA			SF							2			2	1				10		15
WLMAS-AAA1	wall glue behind stippled/flat wood wall panels		Assumed Positive						SF		500	320														820
WLMAS-AAA2	wall mirror mastic	**Cat II Non Friable**	Assumed Positive						SF		20															20
VAPOR-AAA5	vapor barriers under concrete slab and restrooms on upper floors		Assumed Positive						SF	350	320	40	50	625	100	2000	300	475	180	60				3900		8400
VAPOR-AAA11	vapor barriers on subterranean basement sidewalls		Assumed Positive						SF															800		800
FORMICA-AAA8	wood-look Formica counter top and associated mastic		Assumed Positive						SF											30						30
PAPER-AAA11	paper behind stucco - inaccessible without destructive testing but assumed present		Assumed Positive						SF															4300		4300
FLVCT-6	9"x9" grey with white streaks vinyl floor tile (+) with yellow glue (-)		Yes	5% CH	NA				SF			40	25													65
PENMAS-33	grey penetration roofing mastic	**Cat 1 Non Friable**	Yes	10% CH	NA	NA			SF																150	150
FLVCT-16	9"x9" grey with black and white streaks vinyl floor tiles (<1%CH) with black mastics (-		Trace-assumed positive	<1% CH	NA/ND	NA/ND			SF							400										400
RFROLL-AAA9	grey rolled roofing on main field and parapets		Assumed						SF																3900	3900
NON-ASBESTOS																										
FLVCT-1	12"x12" off-white/12"x12" black vinyl floor tiles with yellow mastic		No	ND	ND	ND			SF		320															320
BBMAS-2	4" black vinyl baseboard with yellow mastic		No	ND	ND				SF		20															20
WLPL-3	off-white skim coat/paints over coarse grey wall plaster		No	ND	ND	ND	ND	ND	SF		725	800	1750	975					3600	700	840	520				9910
CLPL-4	off-white skim coat/paints over coarse beige ceiling plaster		No	ND	ND	ND	ND	ND	SF		320	300	450	1200					1750	340	150	60				4570
FLVCT-5	9"x9" grey vinyl floor tile with yellow glue and off-white leveling compound and yellow carpet glue		No	ND	ND				SF			260														260
CLGL-7	12"x12" pink painted glued on ceiling tiles with pinholes and brown glue		No	ND	ND				SF			260														260
FLVCT-8	6"x6" grey/6"x6" very thick, black vinyl floor tiles with black mastics		No	ND					SF				25													25
WLSH-9	wall drywall with tape & joint compound		No	ND	ND	ND			SF				250			400										650
BBMAS-10	4" tan vinyl baseboard with yellow glue		No	ND	ND				SF				25													25
GASKET-14	canvas rope gasket on boiler doors		No	ND					EA						2											2
WLPL-17	grey concrete wall plaster (-) with silver paint (-)		No	ND	ND	ND	ND	ND	SF							360		720								1080
BRICK-19	8"x2" red brick with grey mortar		No	ND	ND	ND			SF							1450										1450
WL-21	16"x8" grey concrete masonry wall unit with grey mortar		No	ND	ND	ND			SF							550		520								1070
CLPL-22	grey coarse ceiling plaster		No	ND	ND	ND			SF									600								600
FLEX-23	off-white canvas flex connector at HVAC duct connection		No	ND					EA	1																1
CARMAS-24	yellow carpet mastic under brown carpet	not applicable	No	ND	ND	ND			SF										1450	200	150	60				1860
FLVCT-25	12"x12" beige "pebble-stone look" vinyl floor tile with yellow glue under off-white 8"x8" marble look vinyl floor sheeting (no mastic visually identifiable)		No	ND					SF										60							60
FLVCT-26	12"x12" black/12"x12" off-white vinyl floor tile with yellow glue		No	ND					SF										60							60
FLVCS-27	beige "hexagon tile look" vinyl floor sheeting with yellow mastic		No	ND					SF										60							60
BBMAS-28	off-white glue under 4" tan/off-white vinyl baseboard		No	ND	ND	ND			SF										130	30	35					195
BBMAS-29	brown mastic under 4" black vinyl baseboard		No	ND					SF											5						5
SINK-30	black stainless steel sink undercoating		No	ND					EA											1						1
CLTXT-31	off-white acoustical "popcorn" ceiling texture		No	ND	ND	ND	ND	ND	SF										1350	300						1650
RFMAS-32	black roofing mastic		No	ND	ND	ND			SF																3900	3900
RFSH-34	red-brown roofing shingles (multiple layers) and roofing felts		No	ND	ND	ND			SF																850	850
PUTTY-35	off-white exterior window/skylight putty		No	ND	ND	ND			EA															5	1	6
STUCCO-36	grey exterior stucco		No	ND	ND	ND	ND	ND	SF															4300		4300
CAULK-37	off-white exterior caulk along conduit piping		No	ND					LF															5		5
FIREHOSES-NNN2	fire hoses		not present																							0
FLOORS-NNN	non-suspect floors		Not suspect												c		c	c								
PIHHW-NNN1	fiberglass insulation with paper jacket on heating hot water pipes		not suspect						LF							200	140	80								420
LEAD IN PAINTS, ETC.			**mg/kg**																							
PK-1	off-white paints on wall plaster collected in office area on 1st floor noted to be loose and peeling in areas		**7300**						SF	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ			PNQ
SI-2	silver paints collected on wall brick in the first floor mechanical space noted to be chipped in areas		550						SF	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ			PNQ
OW-3	off-white paints on ceiling plaster in the first floor wash area noted to be loose and peeling in areas		**5000**						SF	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ			PNQ
GR-4	green paints on wall plaster in the first floor wash area noted to be loose and peeling in areas	not applicable	**910**						SF	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ			PNQ
OW-5	off-white paints on wall plasters collected in 2F S office noted to be loose & peeling in areas		250						SF	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ			PNQ
BR-6	brown paints on exterior stucco walls		**790**						SF															PNQ		PNQ
FLVCT-8	6"x6" grey/6"x6" black vinyl floor tiles with black mastics		140						SF				25													25
PCBs			**mg/kg**																							
PUTTY-20	off-white interior window putty		<0.50						SF							15			11	2				18		46
PUTTY-35	off-white exterior window/skylight putty	not applicable	<0.50						SF																1	1
CAULK-37	off-white exterior caulk along conduit piping		<0.50						SF															30		30
OTHER HAZMATS																										
TUBES	Mercury-containing fluorescent tubes		Present						EA		12	6	6	19		13	6	7	22	4			4			99
BALLASTS	Possible PCB-containing lighting ballasts	not applicable	Present						EA		7	6	3	10		7	4	7	11	2			3			60
LEAD PAINT	Lead-containing paint		Present						SF	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ	PNQ

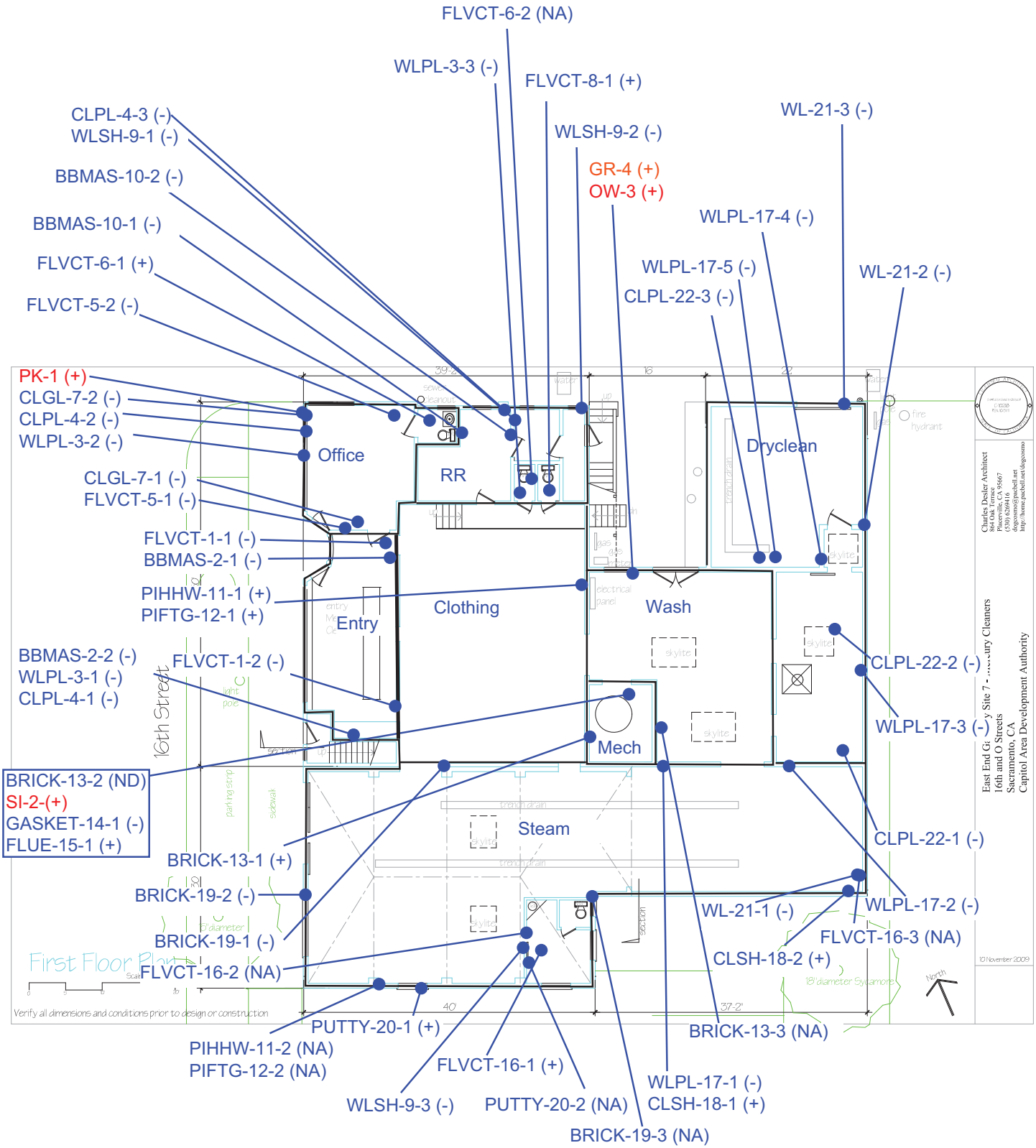
[A] The above table indicates quantities in areas where materials were visible & accessible to SCA. SCA has also provided an estimated quantity for piping systems within the building. Note that piping may be present in various areas throughout the building, including within wall and ceiling cavities. Contractor is responsible for field verifying exact locations of piping systems for bidding purposes.

Notes: ND=none detected NA=not analyzed CH=chrysotile AM=-Amosite CR=Crocidolite asbestos c=concrete PNQ=present, but not quantified



SCA Environmental, Inc.

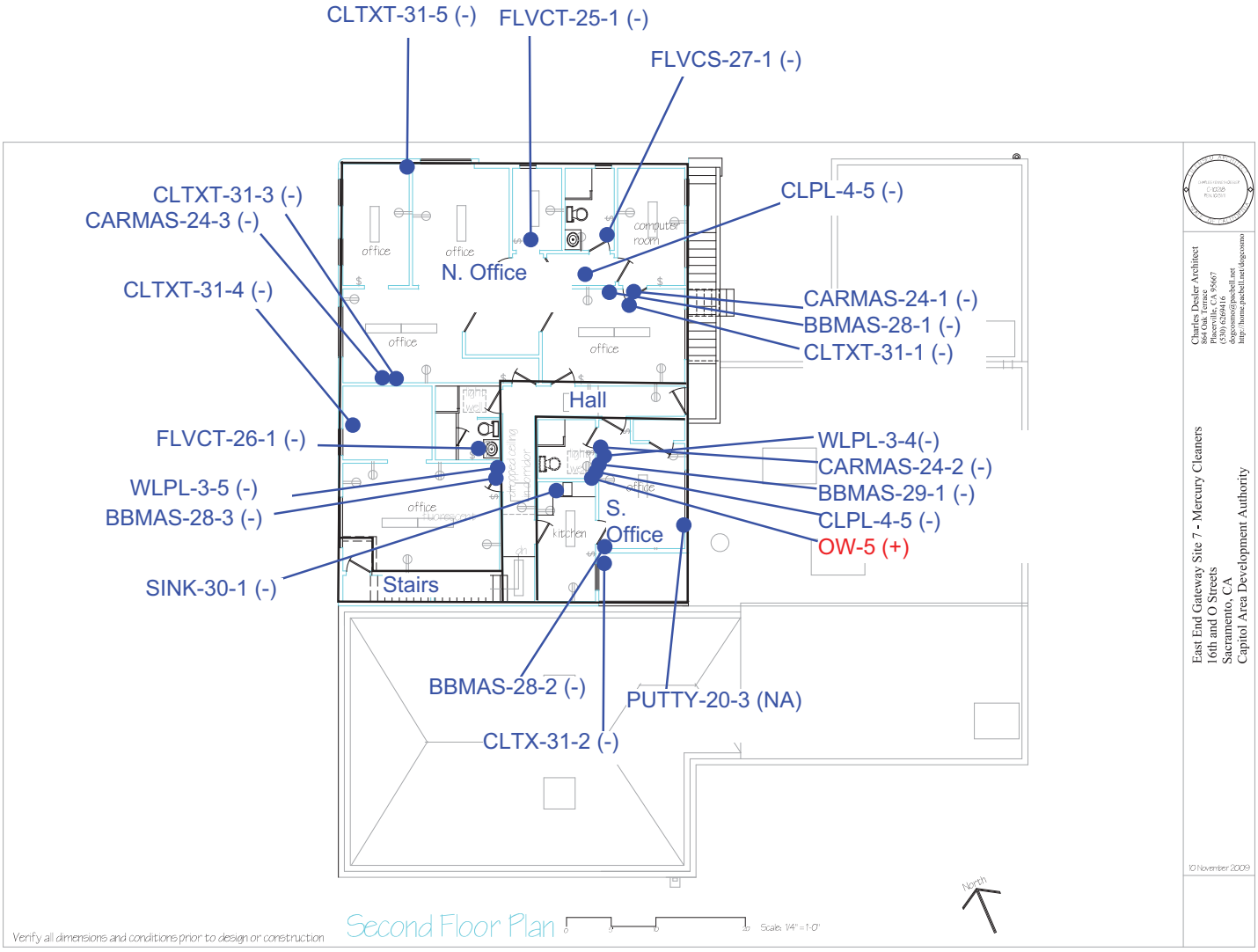
Figure 1: Asbestos & Lead Sample Locations
Mercury Cleaners: Basement
SCA Project Number: F11188
Date: January 2014



Notes:
Blue indicates asbestos sample locations.
Red indicates lead sample locations.

SCA Environmental, Inc.

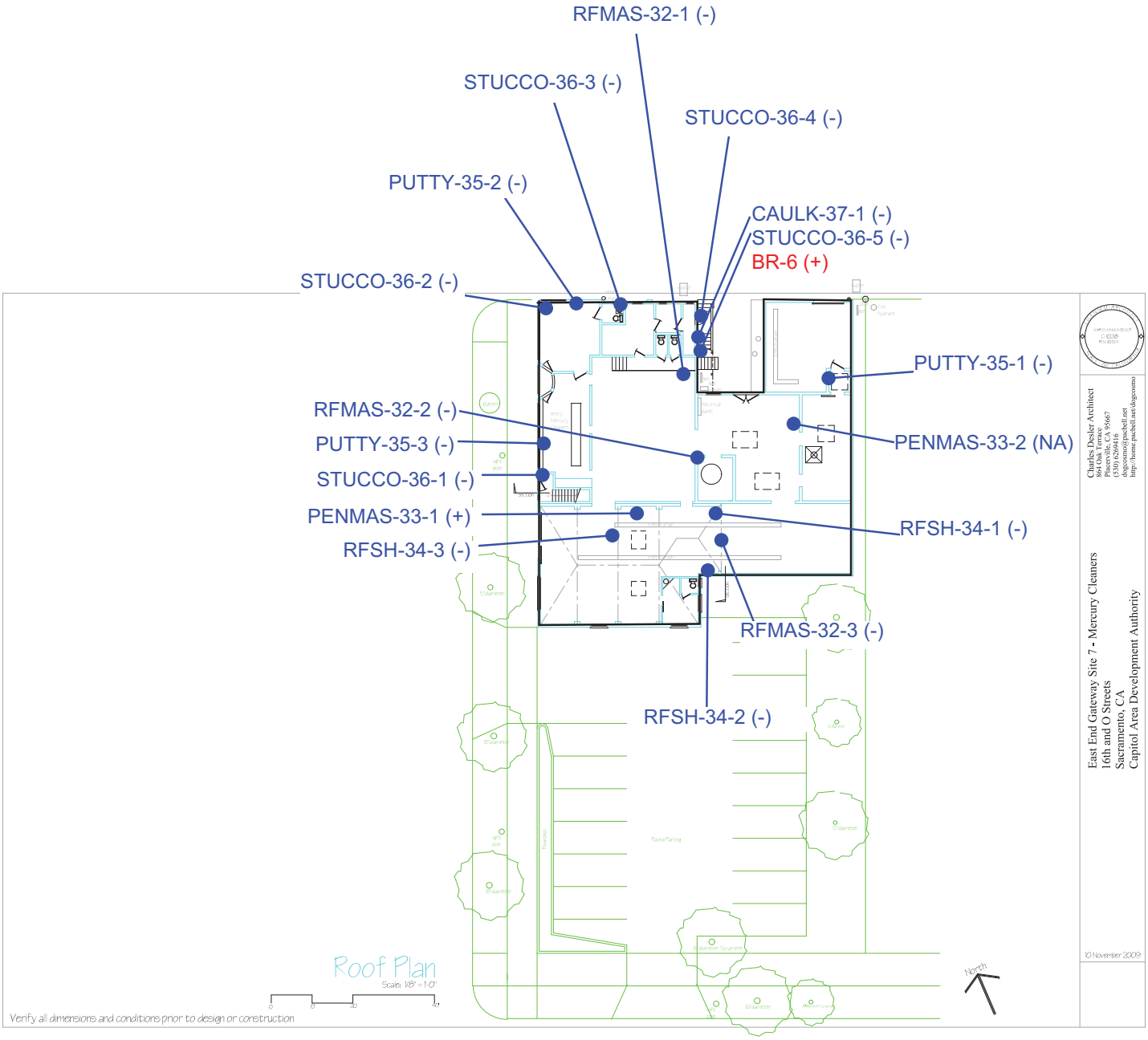
Figure 2: Asbestos & Lead Sample Locations
Mercury Cleaners: 1st Floor
SCA Project Number: F11188
Date: January 2014



Notes:
Blue indicates asbestos sample locations.
Red indicates lead sample locations.

SCA Environmental, Inc.

Figure 3: Asbestos & Lead Sample Locations
Mercury Cleaners: 2nd Floor
SCA Project Number: F11188
Date: January 2014



Notes:
Blue indicates asbestos sample locations.
Red indicates lead sample locations.

SCA Environmental, Inc.

Figure 4: Asbestos & Lead Sample Locations
Mercury Cleaners: Exterior & Roof
SCA Project Number: F11188
Date: January 2014