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PACIFIC
ENVIRONMENTAL
GROUP, INC.

AN ENSR COMPANY

ENVIRONMENTAL PROTECTION
98 OCT -2 PM 3:02

September 30, 1998
Project 311-038.1C

Ms. Tina Berry
Tosco Marketing Company
2000 Crow Canyon Place, Suite 400
San Ramon, California 94583

Re: **Underground Storage Tank Removal Activities**
76 Service Station 5430
1935 Washington Avenue at Castro Street
San Leandro, California

Dear Ms. Berry:

On behalf of Tosco Marketing Company (Tosco), Pacific Environmental Group, Inc. (PEG) has prepared this letter to document environmental assessment performed in association with station upgrade activities at the site referenced above.

The station upgrade activities performed at the site included the replacement of the underground waste oil storage tank with an aboveground waste oil storage tank, the replacement of the product dispensers and associated underground product piping, the installation of spill containment sumps on the existing underground fuel storage tanks, and the installation of an electronic leak detection monitoring system.

UNDERGROUND WASTE OIL STORAGE TANK REMOVAL

On July 31, 1998, one underground waste oil storage tank was removed from the site by Henderson Construction, Inc. (Henderson) of Stockton, California. The removal of the waste oil tank was observed by PEG, and by Mr. Karl Busche of the San Leandro Fire Department (SLFD). The removed waste oil tank was hauled by Ecology Control Industries (ECI) to their facility in Richmond, California, on July 31, 1998. The tank was subsequently inerted and sold as scrap metal.

The removed waste oil tank was of 275-gallon capacity and single-walled steel construction. Upon removal, the tank was noted to be moderately to severely rusty. Several corroded holes, approximately 1-inch in diameter were noted on the bottom of the removed tank.

2025 Gateway Place, Suite 440 • San Jose, California 95110-1006 (408) 441-7500 FAX (408) 441-7539

Additional excavation to remove hydrocarbon-impacted soils was performed in the area of the removed waste oil tank. The final waste oil tank excavation was 9 feet in length, 7 feet in width, and 10 feet deep. Groundwater was not encountered in the waste oil tank excavation.

On July 31, 1998, two soil samples, designated WO-1 and WO-2, were collected from the waste oil tank excavation, at depths of 8-1/2 and 10 feet below ground surface (bgs), respectively (Figure 1, Attachment A). The resulting samples were analyzed for the presence of total purgeable petroleum hydrocarbons calculated as gasoline (TPPH-g), benzene, toluene, ethylbenzene, and xylenes (BTEX compounds), methyl tert-butyl ether (MtBE), total extractable petroleum hydrocarbons calculated as diesel (TEPH-d), total oil and grease (TOG), halogenated volatile organic compounds (HVOCs), and total cadmium, chromium, nickel, lead, and zinc. The results of these analyses are presented in Table 1. The certified analytical reports and chain-of-custody documentation are presented in Attachment B.

SVOC?

Upon completion of excavation activities in the area of the removed waste oil storage tank, maximum residual concentrations of petroleum hydrocarbons included 150 parts per million (ppm) TPPH-g, 1.7 ppm benzene, 10 ppm toluene, 2.7 ppm ethylbenzene, 16 ppm xylenes, 6.5 ppm MtBE, 930 ppm TEPH-d, and 1,600 ppm TOG in the soil sample collected at the maximum extent of excavation. The analytical laboratory noted an atypical chromatograph pattern for the TEPH-d quantification.

REMOVAL OF PRODUCT DISPENSERS AND UNDERGROUND PIPING

Henderson removed the four product dispensers and underground product piping from the site on July 20 and 27, 1998, respectively. The removed product piping was of single-walled fiberglass construction.

On July 31, 1998, at the direction of Mr. Karl Busche of the SLFD, PEG collected four soil samples, designated D-1 through D-4, from beneath the removed product dispensers. The locations of these soil samples are shown on Figure 1. Sample collection depths are indicated in Table 1. Field and laboratory procedures are described in Attachment A.

Soil samples D-1 through D-4 were analyzed for the presence of TPPH-g, BTEX compounds, MtBE, and total lead. The results of these analyses are presented in Table 1. The certified analytical reports and chain-of-custody documentation are presented as Attachment B.

Additional excavation to remove hydrocarbon-impacted soils was not performed in the area of the removed product dispensers or underground product piping. Upon completion of excavation and soil sampling activities, maximum residual concentrations of petroleum hydrocarbons included 4.1 parts per million (ppm) TPPH-g and 0.26 ppm

MtBE in soil samples collected at the maximum extent of excavation. The analytical laboratory noted an atypical chromatograph pattern for the TPPH-g quantification.

INSTALLATION OF SPILL CONTAINMENT SUMPS

In August 1998, spill containment sumps were installed at the tops of the existing underground fuel storage tanks by Henderson. Because the tanks were not removed, and native soils were not exposed, soil sampling was not performed in the area of the fuel tanks.

STOCKPILED SOIL CHARACTERIZATION

Approximately 30 cubic yards of soil generated from the area of the removed product piping were stockpiled briefly on site for characterization prior to disposal. On July 31, 1998, four soil samples, designated SP-1(A) through SP-1(D), were collected from these stockpiled soils. The four soil samples were composited four-into-one at the analytical laboratory prior to analysis, resulting in the analysis of a single composite soil sample, SP-1(A-D). Sample SP-1(A-D) was analyzed for the presence of TPPH-g, BTEX compounds, MtBE, and total lead. The results of these analyses are presented in Table 1. The certified analytical reports and chain-of-custody are presented in Attachment B.

The soils excavated from the area of the removed product piping were transported to a temporary holding area at the Forward, Inc. (Forward) disposal facility in Manteca, California. These stockpiled soils were transported to Forward by Denbeste Transportation, Inc. (Denbeste) of Windsor, California. Upon evaluation of the analytical data for stockpiled soil composite sample SP-1(A-D), these stockpiled soils were transferred to an appropriate area within the Forward facility for disposal.

Approximately 20 cubic yards of soil generated in the area of the removed waste oil tank were stockpiled on site for characterization prior to disposal. On July 31, 1998, four soil samples, designated SP-2(A) through SP-2(D), were collected from these stockpiled soils. The four soil samples were composited four-into-one at the analytical laboratory prior to analysis, resulting in the analysis of a single composite soil sample, SP-2(A-D). Sample SP-2(A-D) was analyzed for the presence of TPPH-g, BTEX compounds, MtBE, TEPH-d, TOG, volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and total cadmium, chromium, nickel, lead, and zinc. The results of these analyses are presented in Table 1. The certified analytical reports and chain-of-custody are presented in Attachment B.

Upon evaluation of the analytical data for stockpiled soil composite sample SP-2(A-D), the stockpiled soils were transported to the Safety Kleen, Inc., formerly Laidlaw Environmental Services, Inc., facility in Aragonite, Utah for disposal. The stockpiled

soils were transported to the disposal facility by Denbeste Transportation, Inc. of Windsor, California, under Uniform Hazardous Waste Manifest.

COMPLETION OF SERVICE STATION UPGRADE ACTIVITIES

Upon completion of the removal of the waste oil tank, the excavation was backfilled, compacted and re-paved by Henderson. A 250-gallon, double-walled steel aboveground waste oil tank was subsequently installed by Henderson Construction.

Upon completion of the removal of the product dispensers and associated underground product piping, new product piping and dispensers were installed by Henderson in the same locations as the removed piping and dispensers. Spill containment boxes were fitted beneath the new product dispensers during installation.

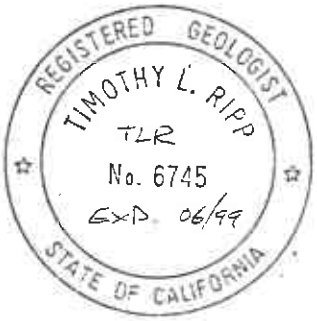
Upon completion of the installation of the spill containment sumps on the existing underground fuel tanks, the fuel tanks were covered with pea gravel and the area overlying the fuel tanks was re-paved.

A leak detection monitoring system was also installed by Henderson during the installation and modification of service station improvements at the site.

Should you have any questions regarding the contents of this letter, please feel free to call.

Sincerely,

Pacific Environmental Group, Inc.



Timothy L. Ripp
Project Geologist
RG 6745

Attachments: Table 1 - Soil Analytical Data
Figure 1 - Site Map
Attachment A - Field and Laboratory Procedures
Attachment B - Certified Analytical Reports and Chain-of-Custody Documentation

cc: Mr. Karl Busche, San Leandro Fire Department
Mr. Tom Peacock, Alameda County Health Care Services Agency

Table 1
Soil Analytical Data

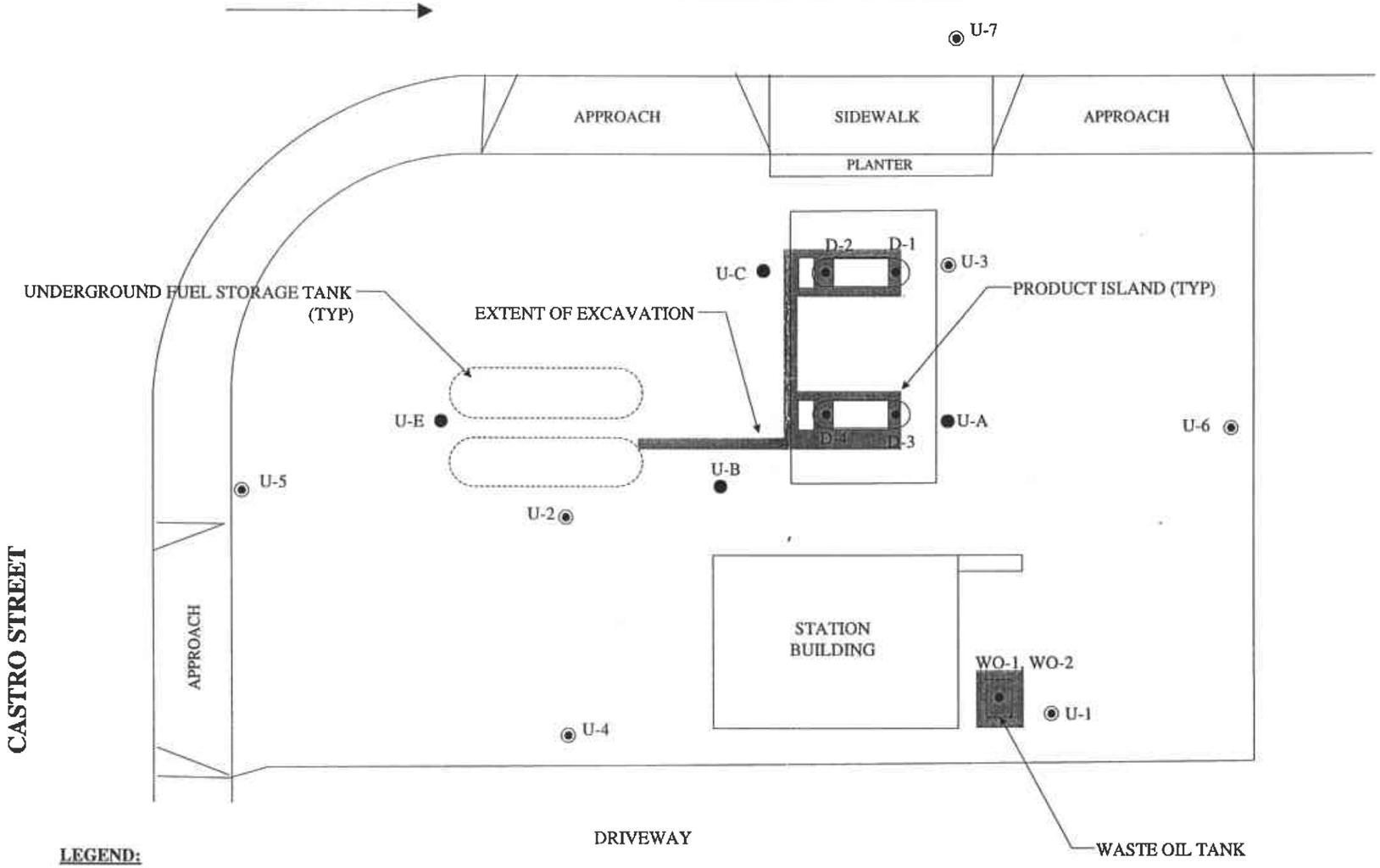
76 Service Station 5430
1935 Washington Avenue at Castro Street
San Leandro, California

Sample ID	Sample Depth (feet)	Date Sampled	TPPH as Gasoline (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-Benzene (ppm)	Total Xylenes (ppm)	TEPH as Diesel (ppm)	MtBE (ppm)	Oil and Grease (ppm)	TTLC Cadmium (ppm)	TTLC Chromium (ppm)	TTLC Nickel (ppm)	TTLC Lead (ppm)	TTLC Zinc (ppm)
D-1	3	07/31/98	ND	ND	ND	ND	ND	NA	ND	NA	NA	NA	NA	10	NA
D-2	3-1/2	07/31/98	4.1[4]	ND	ND	ND	ND	NA	0.26	NA	NA	NA	NA	6.2	NA
D-3	3	07/31/98	ND	ND	ND	ND	ND	NA	ND	NA	NA	NA	NA	6.6	NA
D-4	3	07/31/98	ND	ND	ND	ND	ND	NA	ND	NA	NA	NA	NA	6.8	NA
WO-1[1]	8-1/2	07/31/98	500	[redacted]	33	9.8	54	[redacted]	20	[redacted]	ND	32	41	87	69
WO-2[1]	10	07/31/98	150		10	2.7	16		6.5		ND	32	39	23	42
SP-1(A-D)	NA	07/31/98	ND	ND	ND	ND	ND	NA	ND	NA	NA	NA	NA	15	NA
SP-2(A-D)[2,3]	NA	07/31/98	1,500	17[7]	140	32	180	2,100[4]	110	7,100	ND	33	41	280[5,6]	88

TPPH = Total purgeable petroleum hydrocarbons
TEPH = Total extractable petroleum hydrocarbons
MtBE = Methyl tert-butyl ether
TTLC = Total threshold limit concentration
ppm = Parts per million
ND = Not detected
NA = Not applicable
(1) = Sample did not contain detectable concentrations of halogenated volatile organic compounds by EPA Method 8010.
(2) = Sample contained 14 ppm benzene, 210 ppm toluene, 57 ppm ethylbenzene and 330 ppm xylenes, but did not contain detectable concentrations of other volatile organic compounds by EPA Method 8240.
(3) = Sample did not contain detectable concentrations of semi-volatile organic compounds by EPA Method 8270.
(4) = Atypical chromatograph pattern reported by analytical laboratory.
(5) = Sample extract by soluble threshold limit concentration (STLC) method contained 6.3 to 8.4 ppm lead.
(6) = Sample extract by toxicity chracteristic leaching potential (TCLP) method contained 8.4 ppm lead.
(7) = Sample extract by toxicity chracteristic leaching potential (TCLP) method contained 0.31 ppm benzene.
Detection limits are indicated in certified analytical reports.

N

WASHINGTON AVENUE



LEGEND:

U-4 ◉ GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION

U-A ● SOIL BORING LOCATION AND DESIGNATION

D-1, WO-1 • SOIL SAMPLE LOCATION AND DESIGNATION

SCALE

0 20 40 FEET

PACIFIC ENVIRONMENTAL GROUP, INC.

TITLE:

SITE MAP

PREPARED FOR:

76 SERVICE STATION 5430
1935 Washington Avenue at Castro Street
San Leandro, California

DATE: 8-14-97 | PROJECT: 311-038.1C | FIGURE: 1

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ATTACHMENT A

FIELD AND LABORATORY PROCEDURES

ATTACHMENT A
FIELD AND LABORATORY PROCEDURES

Collection of Soil Samples

Soil samples were collected from undisturbed soil, or soil removed from an excavation by a backhoe bucket, using 2-inch diameter brass sample liners. The soil samples were retained in the brass liners and capped with Teflon® sheets and plastic end caps. The samples were then labeled, placed in sealed plastic bags, and transported on ice to the analytical laboratory, accompanied by the appropriate chain-of-custody documentation.

Laboratory Analyses

Soil samples to be analyzed for total purgeable petroleum hydrocarbons calculated as gasoline (TPPH-g), benzene, toluene, ethylbenzene, xylenes (BTEX compounds), and methyl tert-butyl ether (MtBE) were extracted by the purge-and-trap technique, EPA Method 5030. Soil samples to be analyzed for total extractable petroleum hydrocarbons calculated as diesel (TEPH-d), were extracted by sonnication, EPA Method 3550. Analyses for TPPH-g and TEPH-d were performed by EPA Method 8015 (modified). Analyses for BTEX compounds and MtBE were performed by EPA Method 8020. These analytical methods utilize gas chromatography, and flame- or photo-ionization detection.

Selected samples were also analyzed for the presence of halogenated volatile organic compounds (HVOCs) by EPA Method 8010, volatile organic compounds by EPA Method 8240, or semi-volatile organic compounds by EPA Method 8270. These analytical methods use extraction by EPA Method 5030 or EPA Method 3550, and utilize gas chromatography or mass spectrometry for detection.

Selected samples were also analyzed for total oil and grease (TOG) by EPA Methods 5520 E&F. Sample extraction was performed by sonnication, EPA Method 3550. The sample extract was then processed with a silica gel cleanup, according to EPA Method 5520 F. Analysis was performed by the gravimetric method, EPA Method 5520 E.

Samples to be analyzed for the presence of metals were extracted by acid digestion, EPA Method 3050. This extraction method is used to determine the total threshold limit

concentration (TTLC) within a sample. Analyses for metals analytes were performed using inductively coupled plasma, by EPA Method 6010.

All laboratory analyses were performed by a California State-certified analytical laboratory.

ATTACHMENT B

CERTIFIED ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9183
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

AUG 27 1998

Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110

Attention: Tim Ripp

Client Proj. ID: 311-038.1C/5430, Castro St.

Lab Proj. ID: 9808085

Sampled: 07/31/98
Received: 08/03/98
Analyzed: see below

Reported: 08/18/98

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9808085-01				
Sample Desc : SOLID,D-1				
Lead by ICP	mg/Kg	08/05/98	5.0	10
Lab No: 9808085-02				
Sample Desc : SOLID,D-2				
Lead by ICP	mg/Kg	08/05/98	5.0	6.2
Lab No: 9808085-03				
Sample Desc : SOLID,D-3				
Lead by ICP	mg/Kg	08/05/98	5.0	6.6
Lab No: 9808085-04				
Sample Desc : SOLID,D-4				
Lead by ICP	mg/Kg	08/05/98	5.0	6.8
Lab No: 9808085-05				
Sample Desc : SOLID,WO-1				
Cadmium by ICP	mg/Kg	08/05/98	0.50	N.D.
Chromium by ICP	mg/Kg	08/05/98	0.50	32
Lead by ICP	mg/Kg	08/05/98	5.0	87
Nickel by ICP	mg/Kg	08/05/98	2.5	41
TRPH (SM 5520 E&F)	mg/Kg	08/10/98	50	6000
Zinc by ICP	mg/Kg	08/05/98	0.50	69
Lab No: 9808085-06				
Sample Desc : SOLID,WO-2				
Cadmium by ICP	mg/Kg	08/05/98	0.50	N.D.
Chromium by ICP	mg/Kg	08/05/98	0.50	32

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Tod Granicher
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110

Attention: Tim Ripp

Client Proj. ID: 311-038.1C/5430, Castro St.

Lab Proj. ID: 9808085

Sampled: 07/31/98
Received: 08/03/98
Analyzed: see below

Reported: 08/18/98

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lead by ICP	**mg/Kg**	**08/05/98**	**5.0**	**23**
Nickel by ICP	**mg/Kg**	**08/05/98**	**2.5**	**39**
TRPH (SM 5520 E&F)	**mg/Kg**	**08/10/98**	**50**	**1600**
Zinc by ICP	**mg/Kg**	**08/05/98**	**0.50**	**42**
Lab No: 9808085-07				
Sample Desc : **SOLID,SP-1(A-D)comp**				
Lead by ICP	**mg/Kg**	**08/05/98**	**5.0**	**15**
Lab No: 9808085-08				
Sample Desc : **SOLID,SP-2(A-D)comp**				
Cadmium by ICP	mg/Kg	08/05/98	0.50	N.D.
Chromium by ICP	**mg/Kg**	**08/05/98**	**0.50**	**33**
Lead by ICP	**mg/Kg**	**08/05/98**	**5.0**	**280**
Nickel by ICP	**mg/Kg**	**08/05/98**	**2.5**	**41**
TRPH (SM 5520 E&F)	**mg/Kg**	**08/10/98**	**50**	**7100**
Zinc by ICP	**mg/Kg**	**08/05/98**	**0.50**	**88**

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Tod Granicher
Project Manager

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BTSpumoni

Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110

Attention: Tim Ripp

Client Proj. ID: 311-038.1C/5430, Castro St.
Sample Descript: D-1
Matrix: SOLID
Analysis Method: 8015Mod/8020
Lab Number: 9808085-01

Sampled: 07/31/98
Received: 08/03/98
Extracted: 08/13/98
Analyzed: 08/13/98
Reported: 08/18/98

QC Batch Number: GC081398BTEXEXA
Instrument ID: GCHP22

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Methyl t-Butyl Ether	0.025	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		N.D.

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	91
4-Bromofluorobenzene	60	140	106

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Tod Granicher
Project Manager

Sequoia Analytical

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Pacific Environmental Group	Client Proj. ID: 311-038.1C/5430, Castro St.	Sampled: 07/31/98
2025 Gateway Place, Suite 440	Sample Descript: **D-2**	Received: 08/03/98
San Jose, CA 95110	Matrix: SOLID	Extracted: 08/13/98
	Analysis Method: 8015Mod/8020	Analyzed: 08/13/98
Attention: Tim Ripp	Lab Number: 9808085-02	Reported: 08/18/98

QC Batch Number: GC081398BTEXEXA
Instrument ID: GCHP22

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	**1.0**	**4.1**
Methyl t-Butyl Ether	**0.025**	**0.26**
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		**>C10**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	91
4-Bromofluorobenzene	60	140	103

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Tod Granicher
Project Manager

Sequoia Analytical

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Pacific Environmental Group	Client Proj. ID: 311-038.1C/5430, Castro St.	Sampled: 07/31/98
2025 Gateway Place, Suite 440	Sample Descript: D-3	Received: 08/03/98
San Jose, CA 95110	Matrix: SOLID	Extracted: 08/07/98
	Analysis Method: 8015Mod/8020	Analyzed: 08/11/98
Attention: Tim Ripp	Lab Number: 9808085-03	Reported: 08/18/98

QC Batch Number: GC080798BTEXEXD
Instrument ID: GCHP07

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Methyl t-Butyl Ether	0.025	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	76
4-Bromofluorobenzene	60	140	71

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Tod Granicher
Project Manager

Sequoia Analytical

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Pacific Environmental Group	Client Proj. ID: 311-038.1C/5430, Castro St.	Sampled: 07/31/98
2025 Gateway Place, Suite 440	Sample Descript: D-4	Received: 08/03/98
San Jose, CA 95110	Matrix: SOLID	Extracted: 08/13/98
	Analysis Method: 8015Mod/8020	Analyzed: 08/13/98
Attention: Tim Ripp	Lab Number: 9808085-04	Reported: 08/18/98

QC Batch Number: GC081398BTEXEXA
Instrument ID: GCHP22

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Methyl t-Butyl Ether	0.025	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	92
4-Bromofluorobenzene	60	140	107

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Tod Granicher
Project Manager

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Pacific Environmental Group	Client Proj. ID: 311-038.1C/5430, Castro St.	Sampled: 07/31/98
2025 Gateway Place, Suite 440	Sample Descript: WO-1	Received: 08/03/98
San Jose, CA 95110	Matrix: SOLID	Extracted: 08/06/98
	Analysis Method: EPA 8010	Analyzed: 08/14/98
Attention: Tim Ripp	Lab Number: 9808085-05	Reported: 08/18/98

QC Batch Number: GC080698OVOAEXA
Instrument ID: GCHP09

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	500	N.D.
Bromoform	500	N.D.
Bromomethane	1000	N.D.
Carbon Tetrachloride	500	N.D.
Chlorobenzene	500	N.D.
Chloroethane	1000	N.D.
Chloroform	500	N.D.
Chloromethane	1000	N.D.
Dibromochloromethane	500	N.D.
1,2-Dichlorobenzene	500	N.D.
1,3-Dichlorobenzene	500	N.D.
1,4-Dichlorobenzene	500	N.D.
1,1-Dichloroethane	500	N.D.
1,2-Dichloroethane	500	N.D.
1,1-Dichloroethene	500	N.D.
cis-1,2-Dichloroethene	500	N.D.
trans-1,2-Dichloroethene	500	N.D.
1,2-Dichloropropane	500	N.D.
cis-1,3-Dichloropropene	500	N.D.
trans-1,3-Dichloropropene	500	N.D.
Methylene chloride	5000	N.D.
1,1,2,2-Tetrachloroethane	500	N.D.
Tetrachloroethene	500	N.D.
1,1,1-Trichloroethane	500	N.D.
1,1,2-Trichloroethane	500	N.D.
Trichloroethene	500	N.D.
Trichlorofluoromethane	500	N.D.
Vinyl chloride	1000	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	34 Q
4-Bromofluorobenzene	60	140	76

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Tod Granicher
Project Manager

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Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110 Attention: Tim Ripp	Client Proj. ID: 311-038.1C/5430, Castro St. Sample Descript: WO-1 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9808085-05	Sampled: 07/31/98 Received: 08/03/98 Extracted: 08/07/98 Analyzed: 08/12/98 Reported: 08/18/98

QC Batch Number: GC080798BTEXEXD
Instrument ID: GCHP22

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	25	500
Methyl t-Butyl Ether	0.62	20
Benzene	0.12	1.4
Toluene	0.12	33
Ethyl Benzene	0.12	9.8
Xylenes (Total)	0.12	54
Chromatogram Pattern:		GAS

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	220 Q
4-Bromofluorobenzene	60	140	7 Q

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

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Pacific Environmental Group	Client Proj. ID: 311-038.1C/5430, Castro St.	Sampled: 07/31/98
2025 Gateway Place, Suite 440	Sample Descript: MW-1	Received: 08/03/98
San Jose, CA 95110	Matrix: SOLID	Extracted: 08/05/98
	Analysis Method: EPA 8015 Mod	Analyzed: 08/06/98
Attention: Tim Ripp	Lab Number: 9808085-05	Reported: 08/18/98

QC Batch Number: GC0805980HBPEXA
Instrument ID: GCHP4B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	400	2800
Chromatogram Pattern: **Unidentified HC**		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	Q

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

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Pacific Environmental Group	Client Proj. ID: 311-038.1C/5430, Castro St.	Sampled: 07/31/98
2025 Gateway Place, Suite 440	Sample Descript: WO-2	Received: 08/03/98
San Jose, CA 95110	Matrix: SOLID	Extracted: 08/06/98
	Analysis Method: EPA 8010	Analyzed: 08/14/98
Attention: Tim Ripp	Lab Number: 9808085-06	Reported: 08/18/98

QC Batch Number: GC080698OVOAEXA
Instrument ID: GCHP09

Halogenated Volatile Organics (EPA 8010)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	100	N.D.
Carbon Tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	100	N.D.
Chloroform	50	N.D.
Chloromethane	100	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	50	N.D.
1,3-Dichlorobenzene	50	N.D.
1,4-Dichlorobenzene	50	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	50	N.D.
trans-1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	500	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	100	N.D.

Surrogates	Control Limits %		% Recovery
1-Chloro-2-fluorobenzene	60	130	81
4-Bromofluorobenzene	60	140	74

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

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Pacific Environmental Group	Client Proj. ID: 311-038.1C/5430, Castro St.	Sampled: 07/31/98
2025 Gateway Place, Suite 440	Sample Descript: MW-2	Received: 08/03/98
San Jose, CA 95110	Matrix: SOLID	Extracted: 08/07/98
	Analysis Method: 8015Mod/8020	Analyzed: 08/12/98
Attention: Tim Ripp	Lab Number: 9808085-06	Reported: 08/18/98

QC Batch Number: GC080798BTEXEXD
Instrument ID: GCHP22

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	20	150
Methyl t-Butyl Ether	0.50	6.5
Benzene	0.10	1.7
Toluene	0.10	10
Ethyl Benzene	0.10	2.7
Xylenes (Total)	0.10	16
Chromatogram Pattern:		GAS

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	153 Q
4-Bromofluorobenzene	60	140	6 Q

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110

Attention: Tim Ripp

Client Proj. ID: 311-038.1C/5430, Castro St.
Sample Descript: WO-2
Matrix: SOLID
Analysis Method: EPA 8015 Mod
Lab Number: 9808085-06

Sampled: 07/31/98
Received: 08/03/98
Extracted: 08/05/98
Analyzed: 08/06/98
Reported: 08/18/98

QC Batch Number: GC0805980HBPEXA
Instrument ID: GCHP4B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	200	930
Chromatogram Pattern: **Unidentified HC**		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	Q

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

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Pacific Environmental Group	Client Proj. ID: 311-038.1C/5430, Castro St.	Sampled: 07/31/98
2025 Gateway Place, Suite 440	Sample Descript: SP-1(A-D)comp	Received: 08/03/98
San Jose, CA 95110	Matrix: SOLID	Extracted: 08/13/98
	Analysis Method: 8015Mod/8020	Analyzed: 08/13/98
Attention: Tim Ripp	Lab Number: 9808085-07	Reported: 08/18/98

QC Batch Number: GC081398BTEXEXA
Instrument ID: GCHP22

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Methyl t-Butyl Ether	0.025	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	90
4-Bromofluorobenzene	60	140	109

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

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Pacific Environmental Group	Client Proj. ID: 311-038.1C/5430, Castro St.	Sampled: 07/31/98
2025 Gateway Place, Suite 440	Sample Descript: **SP-2(A-D)comp**	Received: 08/03/98
San Jose, CA 95110	Matrix: SOLID	Extracted: 08/06/98
	Analysis Method: EPA 8240	Analyzed: 08/07/98
Attention: Tim Ripp	Lab Number: 9808085-08	Reported: 08/18/98

QC Batch Number: MS0804988240EXA
Instrument ID: F3

Volatile Organics (EPA 8240)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Acetone	16500	N.D.
Benzene	**3300**	**14000**
Bromodichloromethane	3300	N.D.
Bromoform	3300	N.D.
Bromomethane	3300	N.D.
2-Butanone	16500	N.D.
Carbon disulfide	3300	N.D.
Carbon tetrachloride	3300	N.D.
Chlorobenzene	3300	N.D.
Chloroethane	3300	N.D.
2-Chloroethyl vinyl ether	16500	N.D.
Chloroform	3300	N.D.
Chloromethane	3300	N.D.
Dibromochloromethane	3300	N.D.
1,1-Dichloroethane	3300	N.D.
1,2-Dichloroethane	3300	N.D.
1,1-Dichloroethene	3300	N.D.
cis-1,2-Dichloroethene	3300	N.D.
trans-1,2-Dichloroethene	3300	N.D.
1,2-Dichloropropane	3300	N.D.
cis-1,3-Dichloropropene	3300	N.D.
trans-1,3-Dichloropropene	3300	N.D.
Ethylbenzene	**3300**	**57000**
2-Hexanone	16500	N.D.
Methylene chloride	8250	N.D.
4-Methyl-2-pentanone	16500	N.D.
Styrene	3300	N.D.
1,1,2,2-Tetrachloroethane	3300	N.D.
Tetrachloroethene	3300	N.D.
Toluene	**3300**	**210000**
1,1,1-Trichloroethane	3300	N.D.
1,1,2-Trichloroethane	3300	N.D.
Trichloroethene	3300	N.D.
Trichlorofluoromethane	3300	N.D.
Vinyl acetate	8250	N.D.
Vinyl chloride	3300	N.D.
Total Xylenes	**3300**	**330000**

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Pacific Environmental Group	Client Proj. ID: 311-038.1C/5430, Castro St.	Sampled: 07/31/98
2025 Gateway Place, Suite 440	Sample Descript: SP-2(A-D)comp	Received: 08/03/98
San Jose, CA 95110	Matrix: SOLID	Extracted: 08/06/98
	Analysis Method: EPA 8240	Analyzed: 08/07/98
Attention: Tim Ripp	Lab Number: 9808085-08	Reported: 08/18/98

QC Batch Number: MS0804988240EXA
Instrument ID: F3

Analyte	Detection Limit ug/Kg		Sample Results ug/Kg
Surrogates	**Control Limits %**		**% Recovery**
1,2-Dichloroethane-d4	70	121	Q
Toluene-d8	81	117	Q
4-Bromofluorobenzene	74	121	Q

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Tod Granicher
Project Manager

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Pacific Environmental Group	Client Proj. ID: 311-038.1C/5430, Castro St.	Sampled: 07/31/98
2025 Gateway Place, Suite 440	Sample Descript: SP-2(A-D)comp	Received: 08/03/98
San Jose, CA 95110	Matrix: SOLID	Extracted: 08/06/98
	Analysis Method: EPA 8270	Analyzed: 08/12/98
Attention: Tim Ripp	Lab Number: 9808085-08	Reported: 08/18/98

QC Batch Number: MS0806988270EXB
Instrument ID: F4

Semivolatile Organics (EPA 8270)

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Acenaphthene	12500	N.D.
Acenaphthylene	12500	N.D.
Anthracene	12500	N.D.
Benzoic Acid	25000	N.D.
Benzo(a)anthracene	12500	N.D.
Benzo(b)fluoranthene	12500	N.D.
Benzo(k)fluoranthene	12500	N.D.
Benzo(g,h,i)perylene	12500	N.D.
Benzo(a)pyrene	12500	N.D.
Benzyl alcohol	12500	N.D.
Bis(2-chloroethoxy)methane	12500	N.D.
Bis(2-chloroethyl)ether	12500	N.D.
Bis(2-chloroisopropyl)ether	12500	N.D.
Bis(2-ethylhexyl)phthalate	25000	N.D.
4-Bromophenyl phenyl ether	12500	N.D.
Butyl benzyl phthalate	12500	N.D.
4-Chloroaniline	25000	N.D.
2-Chloronaphthalene	12500	N.D.
4-Chloro-3-methylphenol	12500	N.D.
2-Chlorophenol	12500	N.D.
4-Chlorophenyl phenyl ether	12500	N.D.
Chrysene	12500	N.D.
Dibenzo(a,h)anthracene	12500	N.D.
Dibenzofuran	12500	N.D.
Di-n-butyl phthalate	25000	N.D.
1,2-Dichlorobenzene	12500	N.D.
1,3-Dichlorobenzene	12500	N.D.
1,4-Dichlorobenzene	12500	N.D.
3,3'-Dichlorobenzidine	25000	N.D.
2,4-Dichlorophenol	12500	N.D.
Diethyl phthalate	12500	N.D.
2,4-Dimethylphenol	12500	N.D.
Dimethyl phthalate	12500	N.D.
4,6-Dinitro-2-methylphenol	25000	N.D.
2,4-Dinitrophenol	25000	N.D.
2,4-Dinitrotoluene	12500	N.D.
2,6-Dinitrotoluene	12500	N.D.
Di-n-octyl phthalate	12500	N.D.
Fluoranthene	12500	N.D.

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Pacific Environmental Group	Client Proj. ID: 311-038.1C/5430, Castro St.	Sampled: 07/31/98
2025 Gateway Place, Suite 440	Sample Descript: SP-2(A-D)comp	Received: 08/03/98
San Jose, CA 95110	Matrix: SOLID	Extracted: 08/06/98
	Analysis Method: EPA 8270	Analyzed: 08/12/98
Attention: Tim Ripp	Lab Number: 9808085-08	Reported: 08/18/98

QC Batch Number: MS0806988270EXB
Instrument ID: F4

Analyte	Detection Limit ug/Kg	Sample Results ug/Kg
Fluorene	12500	N.D.
Hexachlorobenzene	12500	N.D.
Hexachlorobutadiene	12500	N.D.
Hexachlorocyclopentadiene	25000	N.D.
Hexachloroethane	12500	N.D.
Indeno(1,2,3-cd)pyrene	12500	N.D.
Isophorone	12500	N.D.
2-Methylnaphthalene	12500	N.D.
2-Methylphenol	12500	N.D.
4-Methylphenol	12500	N.D.
Naphthalene	12500	N.D.
2-Nitroaniline	25000	N.D.
3-Nitroaniline	25000	N.D.
4-Nitroaniline	25000	N.D.
Nitrobenzene	12500	N.D.
2-Nitrophenol	12500	N.D.
4-Nitrophenol	25000	N.D.
N-Nitrosodiphenylamine	12500	N.D.
N-Nitroso-di-n-propylamine	12500	N.D.
Pentachlorophenol	25000	N.D.
Phenanthrene	12500	N.D.
Phenol	12500	N.D.
Pyrene	12500	N.D.
1,2,4-Trichlorobenzene	12500	N.D.
2,4,5-Trichlorophenol	25000	N.D.
2,4,6-Trichlorophenol	12500	N.D.

Surrogates	Control Limits %		% Recovery
2-Fluorophenol	25	121	Q
Phenol-d5	24	113	Q
Nitrobenzene-d5	23	120	Q
2-Fluorobiphenyl	30	115	Q
2,4,6-Tribromophenol	19	122	Q
p-Terphenyl-d14	18	137	Q

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Tod Granicher
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Pacific Environmental Group	Client Proj. ID: 311-038.1C/5430, Castro St.	Sampled: 07/31/98
2025 Gateway Place, Suite 440	Sample Descript: SP-2(A-D)comp	Received:-08/03/98
San Jose, CA 95110	Matrix: SOLID	Extracted: 08/07/98
	Analysis Method: 8015Mod/8020	Analyzed: 08/12/98
Attention: Tim Ripp	Lab Number: 9808085-08	Reported: 08/18/98

QC Batch Number: GC080798BTEXEXD
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	**250**	**1500**
Methyl t-Butyl Ether	**6.2**	**110**
Benzene	**1.2**	**17**
Toluene	**1.2**	**140**
Ethyl Benzene	**1.2**	**32**
Xylenes (Total)	**1.2**	**180**
Chromatogram Pattern:		**GAS**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	138 Q
4-Bromofluorobenzene	60	140	Q

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Tod Granicher
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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110

Attention: Tim Ripp

Client Proj. ID: 311-038.1C/5430, Castro St.
Sample Descript: SP-2(A-D)comp
Matrix: SOLID
Analysis Method: EPA 8015 Mod
Lab Number: 9808085-08

Sampled: 07/31/98
Received: 08/03/98
Extracted: 08/05/98
Analyzed: 08/06/98
Reported: 08/18/98

QC Batch Number: GC0805980HBPE\A
Instrument ID: GCHP4A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	200	2100
Chromatogram Pattern: **Unidentified HC**		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	Q

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Tod Granicher
Project Manager

Sequoia Analytical

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Pacific Environmental Group
2025 Gateway Place, Ste. 440
San Jose, CA 95110
Attention: Tim Ripp

Client Project ID: 311-038.1C/5430, Castro St.

QC Sample Group: 9808085

Reported: Aug 26, 1998

QUALITY CONTROL DATA REPORT

Matrix:	Solid		
Method:	EPA 8010		
Analyst:	L. Kim		
ANALYTE	1,1-DCE	TCE	Chlorobenzene
QC Batch #:	GC0806980VOAEXA		
Sample No.:	9807J08-01		
Date Prepared:	8/3/98	8/3/98	8/3/98
Date Analyzed:	8/8/98	8/8/98	8/8/98
Instrument I.D.#:	GCHP09	GCHP09	GCHP09
Sample Conc., mg/Kg:	N.D.	N.D.	N.D.
Conc. Spiked, mg/Kg:	50	50	50
Matrix Spike, mg/Kg:	29	44	35
% Recovery:	58	88	70
Matrix Spike Duplicate, mg/Kg:	30	46	37
% Recovery:	60	92	74
Relative % Difference:	3.4	4.4	5.6
RPD Control Limits:	0-25	0-25	0-25

LCS Batch#:	LCS080698A		
Date Prepared:	8/6/98	8/6/98	8/6/98
Date Analyzed:	8/8/98	8/8/98	8/8/98
Instrument I.D.#:	GCHP09	GCHP09	GCHP09
Conc. Spiked, mg/Kg:	50	50	50
Recovery, mg/Kg:	36	51	39
LCS % Recovery:	72	102	78

Percent Recovery Control Limits:

MS/MSD	65-135	70-130	70-130
LCS	65-135	70-130	70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

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Project Manager

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Client Project ID: 311-038.1C/5430, Castro St.

QC Sample Group: 9808085

Reported: Aug 26, 1998

QUALITY CONTROL DATA REPORT

Matrix:	Solid
Method:	EPA 8015M
Analyst:	GWARDLE
ANALYTE	Diesel

QC Batch #: GC0805980HBPEXA

Sample No.:	DS9807I26-9
Date Prepared:	7/31/98
Date Analyzed:	8/3/98
Instrument I.D.#:	GCHP4B
Sample Conc., mg/Kg:	N.D.
Conc. Spiked, mg/Kg:	17
Matrix Spike, mg/Kg:	13
% Recovery:	76
Matrix Spike Duplicate, mg/Kg:	15
% Recovery:	88
Relative % Difference:	15
RPD Control Limits:	0-50

LCS Batch#: BLK080598AS

Date Prepared:	8/5/98
Date Analyzed:	8/5/98
Instrument I.D.#:	GCHP4B
Conc. Spiked, mg/Kg:	17
Recovery, mg/Kg:	13
LCS % Recovery:	76

Percent Recovery Control Limits:

MS/MSD	50-150
LCS	60-140

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

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Attention: Tim Ripp

Client Project ID: 311-038.1C/5430, Castro St.

QC Sample Group: 9808085

Reported: Aug 26, 1998

QUALITY CONTROL DATA REPORT

Matrix:	Solid			
Method:	EPA 8020			
Analyst:	G. Peshina			
ANALYTE	Benzene	Toluene	Ethylbenzene	Xylenes
QC Batch #:	GC081398BTEXEXA			
Sample No.:	9808085-02			
Date Prepared:	8/13/98	8/13/98	8/13/98	8/13/98
Date Analyzed:	8/14/98	8/14/98	8/14/98	8/14/98
Instrument I.D.#:	GCHP-22	GCHP-22	GCHP-22	GCHP-22
Sample Conc., mg/Kg:	N.D.	N.D.	N.D.	N.D.
Conc. Spiked, mg/Kg:	0.20	0.20	0.20	0.60
Matrix Spike, mg/Kg:	0.17	0.17	0.18	0.55
% Recovery:	85	85	90	92
Matrix Spike Duplicate, mg/Kg:	0.17	0.17	0.18	0.55
% Recovery:	85	85	90	92
Relative % Difference:	0.0	0.0	0.0	0.0
RPD Control Limits:	0-25	0-25	0-25	0-25

LCS Batch#:	GSLCS081398A			
Date Prepared:	8/13/98	8/13/98	8/13/98	8/13/98
Date Analyzed:	8/13/98	8/13/98	8/13/98	8/13/98
Instrument I.D.#:	GCHP-22	GCHP-22	GCHP-22	GCHP-22
Conc. Spiked, mg/Kg:	0.20	0.20	0.20	0.60
Recovery, mg/Kg:	0.20	0.20	0.20	0.62
LCS % Recovery:	100	100	100	103

Percent Recovery Control Limits:

MS/MSD	60-140	60-140	60-140	60-140
LCS	70-130	70-130	70-130	70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Tod Granicher
Project Manager

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Pacific Environmental Group
2025 Gateway Place, Ste. 440
San Jose, CA 95110
Attention: Tim Ripp

Client Project ID: 311-038.1C/5430, Castro St.

QC Sample Group: 9808085

Reported: Aug 26, 1998

QUALITY CONTROL DATA REPORT

Matrix:	Solid
Method:	EPA 8015
Analyst:	G. GAMBOA
ANALYTE	Gasoline

QC Batch #: GC080798BTEXEXD

Sample No.:	GS9808085-3
Date Prepared:	8/7/98
Date Analyzed:	8/9/98
Instrument I.D.#:	GCHP22
Sample Conc., mg/Kg:	N.D.
Conc. Spiked, mg/Kg:	5.0
Matrix Spike, mg/Kg:	5.4
% Recovery:	108
Matrix Spike Duplicate, mg/Kg:	5.4
% Recovery:	108
Relative % Difference:	0.0
RPD Control Limits:	0-25

LCS Batch#: GSBLK080798D

Date Prepared:	8/7/98
Date Analyzed:	8/9/98
Instrument I.D.#:	GCHP22
Conc. Spiked, mg/Kg:	5.0
Recovery, mg/Kg:	5.4
LCS % Recovery:	108

Percent Recovery Control Limits:

MS/MSD	60-140
LCS	70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

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Project Manager

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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Tim Ripp

Client Project ID: 311-038.1C/5430, Castro St.
Matrix: SOLID
Work Order #: 9808085 -01-08
Reported: Aug 25, 1998

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloroethene	Trichloroethene	Benzene	Toluene	Chloro-benzene
QC Batch#:	MS0804988240EXA	MS0804988240EXA	MS0804988240EXA	MS0804988240EXA	MS0804988240EXA
Analy. Method:	EPA 8240	EPA 8240	EPA 8240	EPA 8240	EPA 8240
Prep. Method:	N.A.	N.A.	N.A.	N.A.	N.A.
Analyst:	L. Zhu	L. Zhu	L. Zhu	L. Zhu	L. Zhu
MS/MSD #:	980712001	980712001	980712001	980712001	980712001
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	8/4/98	8/4/98	8/4/98	8/4/98	8/4/98
Analyzed Date:	8/5/98	8/5/98	8/5/98	8/5/98	8/5/98
Instrument I.D.#:	F3	F3	F3	F3	F3
Conc. Spiked:	2500 µg/Kg	2500 µg/Kg	2500 µg/Kg	2500 µg/Kg	2500 µg/Kg
Result:	44	47	49	50	49
MS % Recovery:	88	94	98	100	98
Dup. Result:	44	47	49	49	50
MSD % Recov.:	88	94	98	98	100
RPD:	0.0	0.0	0.0	2.0	2.0
RPD Limit:	0-25	0-25	0-25	0-25	0-25
LCS #:	LCS080798	LCS080798	LCS080798	LCS080798	LCS080798
Prepared Date:	8/7/98	8/7/98	8/7/98	8/7/98	8/7/98
Analyzed Date:	8/7/98	8/7/98	8/7/98	8/7/98	8/7/98
Instrument I.D.#:	F3	F3	F3	F3	F3
Conc. Spiked:	2500 µg/Kg	2500 µg/Kg	2500 µg/Kg	2500 µg/Kg	2500 µg/Kg
LCS Result:	2300	2400	2500	2500	2500
LCS % Recov.:	92	96	100	100	100
MS/MSD Control Limits	60-140	60-140	60-140	60-140	60-140
LCS Control Limits	65-135	70-130	70-130	70-130	70-130

SEQUOIA ANALYTICAL

Tod Granicher
Project Manager

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** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Tim Ripp

Client Project ID: 311-038.1C/5430, Castro St.
Matrix: SOLID
Work Order #: 9808085-01-08

Reported: Aug 25, 1998

QUALITY CONTROL DATA REPORT

Analyte:	Phenol	2-Chlorophenol	1,4-Dichloro-benzene	N-Nitroso-Di-N-propylamine
QC Batch#:	MS0806988270EXB	MS0806988270EXB	MS0806988270EXB	MS0806988270EXB
Analy. Method:	EPA 8270	EPA 8270	EPA 8270	EPA 8270
Prep. Method:	EPA 3550	EPA 3550	EPA 3550	EPA 3550
Analyst:	B. Pitamah	B. Pitamah	B. Pitamah	B. Pitamah
MS/MSD #:	BLK080698	BLK080698	BLK080698	BLK080698
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	7/31/98	7/31/98	7/31/98	7/31/98
Analyzed Date:	8/3/98	8/3/98	8/3/98	8/3/98
Instrument I.D.#:	F4	F4	F4	F4
Conc. Spiked:	3300 µg/Kg	3300 µg/Kg	3300 µg/Kg	3300 µg/Kg
Result:	1800	1770	1800	1840
MS % Recovery:	55	54	55	56
Dup. Result:	1560	1510	1510	1570
MSD % Recov.:	47	46	46	48
RPD:	14	16	18	16
RPD Limit:	0-40	0-40	0-40	0-40

LCS #:				
Prepared Date:				
Analyzed Date:				
Instrument I.D.#:				
Conc. Spiked:				
LCS Result:				
LCS % Recov.:				

MS/MSD LCS Control Limits	26-90	25-102	28-104	41-126

SEQUOIA ANALYTICAL

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Pacific Environmental Group	Client Project ID:	311-038.1C/5430, Castro St.	
2025 Gateway Place, Suite 440	Matrix:	SOLID	
San Jose, CA 95110			
Attention: Tim Ripp	Work Order #:	9808085-01-08	Reported: Aug 25, 1998

QUALITY CONTROL DATA REPORT

Analyte:	1,2,4-Trichloro-benzene	4-Chloro-3-Methylphenol	Acenaphthene	4-Nitrophenol
QC Batch#:	MS0806988270EXB	MS0806988270EXB	MS0806988270EXB	MS0806988270EXB
Analy. Method:	EPA 8270	EPA 8270	EPA 8270	EPA 8270
Prep. Method:	EPA 3550	EPA 3550	EPA 3550	EPA 3550
Analyst:	B. Pitamah	B. Pitamah	B. Pitamah	B. Pitamah
MS/MSD #:	BLK080698	BLK080698	BLK080698	BLK080698
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	7/31/98	7/31/98	7/31/98	7/31/98
Analyzed Date:	8/3/98	8/3/98	8/3/98	8/3/98
Instrument I.D.#:	F4	F4	F4	F4
Conc. Spiked:	3300 µg/Kg	3300 µg/Kg	3300 µg/Kg	3300 µg/Kg
Result:	1940	1660	1780	1590
MS % Recovery:	59	50	54	48
Dup. Result:	1690	1470	1550	1610
MSD % Recov.:	51	45	47	49
RPD:	14	12	14	1.3
RPD Limit:	0-40	0-40	0-40	0-40

LCS #:				
Prepared Date:				
Analyzed Date:				
Instrument I.D.#:				
Conc. Spiked:				
LCS Result:				
LCS % Recov.:				

MS/MSD LCS Control Limits	38-107	26-103	31-137	11-114

SEQUOIA ANALYTICAL

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Pacific Environmental Group	Client Project ID:	311-038.1C/5430, Castro St.	
2025 Gateway Place, Suite 440	Matrix:	SOLID	
San Jose, CA 95110			
Attention: Tim Ripp	Work Order #:	9808085-01-08	Reported: Aug 25, 1998

QUALITY CONTROL DATA REPORT

Analyte:	2,4-Dinitro-toluene	Pentachloro-phenol	Pyrene
QC Batch#:	MS0806988270EXB	MS0806988270EXB	MS0806988270EXB
Analy. Method:	EPA 8270	EPA 8270	EPA 8270
Prep. Method:	EPA 3550	EPA 3550	EPA 3550
Analyst:	B. Pitamah	B. Pitamah	B. Pitamah
MS/MSD #:	BLK080698	BLK080698	BLK080698
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	7/31/98	7/31/98	7/31/98
Analyzed Date:	8/3/98	8/3/98	8/3/98
Instrument I.D.#:	F4	F4	F4
Conc. Spiked:	3300 µg/Kg	3300 µg/Kg	3300 µg/Kg
Result:	1710	1720	1680
MS % Recovery:	52	52	51
Dup. Result:	1670	1540	1470
MSD % Recov.:	51	47	45
RPD:	2.4	11	13
RPD Limit:	0-40	0-40	0-40

LCS #:			
Prepared Date:			
Analyzed Date:			
Instrument I.D.#:			
Conc. Spiked:			
LCS Result:			
LCS % Recov.:			

MS/MSD LCS Control Limits	28-89	17-109	35-142

SEQUOIA ANALYTICAL

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Pacific Environmental Group	Client Project ID:	311-038.1C/5430, Castro St.	
2025 Gateway Place, Suite 440	Matrix:	SOLID	
San Jose, CA 95110			
Attention: Tim Ripp	Work Order #:	9808085-01-08	Reported: Aug 25, 1998

QUALITY CONTROL DATA REPORT

Analyte:	Total Recoverable Petroleum Hydrocarbons
QC Batch#:	SP0807985520EXA
Analy. Method:	SM 5520EF
Prep. Method:	SM 5520EF

Analyst:	H. Olonan
BS/BSD #:	BLK080798
Sample Conc.:	N.D.
Prepared Date:	8/7/98
Analyzed Date:	8/10/98
Instrument I.D.#:	MANUAL
Conc. Spiked:	150 mg/Kg
Result:	120
BS % Recovery:	80
Dup. Result:	150
BSD % Recov.:	100
RPD:	22
RPD Limit:	0-30

LCS #:	
Prepared Date:	
Analyzed Date:	
Instrument I.D.#:	
Conc. Spiked:	
LCS Result:	
LCS % Recov.:	

MS/MSD	60-140
LCS	70-130
Control Limits	

SEQUOIA ANALYTICAL

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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Tim Ripp

Client Project ID: 311-038.1C/5430, Castro St.
Matrix: SOLID
Work Order #: 9808085-01-08

Reported: Aug 25, 1998

QUALITY CONTROL DATA REPORT

Analyte:	Beryllium	Cadmium	Chromium	Nickel
QC Batch#:	ME0805986010MDE	ME0805986010MDE	ME0805986010MDE	ME0805986010MDE
Analy. Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010
Prep. Method:	EPA 3050	EPA 3050	EPA 3050	EPA 3050
Analyst:	C. Caoile	C. Caoile	C. Caoile	C. Caoile
MS/MSD #:	9807J1301	9807J1301	9807J1301	9807J1301
Sample Conc.:	N.D.	N.D.	31	32
Prepared Date:	8/5/98	8/5/98	8/5/98	8/5/98
Analyzed Date:	8/5/98	8/5/98	8/5/98	8/5/98
Instrument I.D.#:	MTJA5	MTJA5	MTJA5	MTJA5
Conc. Spiked:	50 mg/Kg	50 mg/Kg	50 mg/Kg	50 mg/Kg
Result:	43	43	73	76
MS % Recovery:	86	86	84	88
Dup. Result:	43	43	72	73
MSD % Recov.:	86	86	82	82
RPD:	0.0	0.0	1.4	4.0
RPD Limit:	0-20	0-20	0-20	0-20
LCS #:	LCS080598	LCS080598	LCS080598	LCS080598
Prepared Date:	8/5/98	8/5/98	8/5/98	8/5/98
Analyzed Date:	8/5/98	8/5/98	8/5/98	8/5/98
Instrument I.D.#:	MTJA5	MTJA5	MTJA5	MTJA5
Conc. Spiked:	50 mg/Kg	50 mg/Kg	50 mg/Kg	50 mg/Kg
LCS Result:	48	46	47	47
LCS % Recov.:	96	92	94	94
MS/MSD Control Limits	80-120	80-120	80-120	80-120
LCS Control Limits	80-120	80-120	80-120	80-120

SEQUOIA ANALYTICAL

Tod Granicher
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110 Attention: Tim Ripp	Client Proj. ID: 311-038.1C/5430, Castro St. Lab Proj. ID: 9808085	Received: 08/03/98 Reported: 08/18/98

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 32 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

8240 Note:
Sample 9808085-08 was diluted 33 times due to high xylenes. The surrogates were diluted out.

TPGBMS: Sample 085-5,6,8 TFT high by matrix effect & 4-BFB diluted low.

8270 Note:
Sample 9808085-08 was diluted 50 times due late eluting hydrocarbons.

8010: Extraction surrogate for sample 5 is diluted out. Result for CH2CL2 and T-1,2-DCE is estimated. Both samples are high in BTEX and gas concentration.

SEQUOIA ANALYTICAL

Tod Granicher
Project Manager

Page 1 of 1

LABORATORY SERVICE AGREEMENT

Chain-of-Custody Record

Columbia Analytical Services, Inc.
1-800-695-7222
TOSCO

Tosco Site Number 76 SERVICE STATION 5430
Tosco Site Address 1935 WASHINGTON AVE. @ CASTRO ST.
Tosco Contact (Name) MS. TINA BERRY
(Phone) (925) 277-2321
Tosco Project Code #
Laboratory Name SEQUOIA ANALYTICAL, REDWOOD CITY
Laboratory Work Order
AWO PEG PROJECT 311-038.1C

Consultant Project Number 311-038.1C
Consultant Name PEG
Address 2025 GATEWAY PLACE, STE 440, SAN JOSE, CA 95110
Project Contact (Name) TIM RIPP
(Phone) (408) 441-7500 (Fax) (408) 441-7539
Sample Collected By (Name) Mark Gubrud
Collection Date 7/31/98 Signature
Method of Shipment LAB COURIER

Sample ID Number	Lab Sample Number	Number of Containers	MATRIX S=Soil W=Water A=Air C=Charcoal	TYPE G=Grab C=Composite D=Discrete	Sample Date	Sample Time	Sample Preservation	Analyses To Be Performed: BTEX + TPH GAS+MTBE (8021/602 + 8015 modified)	TPH (8015 modified) _FC _GAS X DIESEL _OIL	BTEX + MTBE (8021/602) (8260)	Oil and Grease (5520) (413.1)/(413.2) C&F	Purgeable Halocarbons (8021) (601) 8010	Purgeable Aromatics (8021) (602)	Volatile Organics (8260) (624) 8240	Semi Volatile Organics (8270) (625)	Total Lead	TRPH (418.1)	MTBE Confirmation (8260)	TTLC Cd, Cr, Ni, Pb, Zn		Remarks
																					980805
X	D-1	1 EA	S	D	07/31/98		ICED	X								X					RESULTS DUE TO
X	D-2	2						X								X					TIM RIPP, PEG
X	D-3	3						X								X					ON 08/17/98.
X	D-4	4						X								X					
X	WO-1	5						X	X		X	X							X		
X	WO-2	6						X	X		X	X							X		
X	SP-1 (A-D)	1	4 EA		C			X								X					COMP: 4→1
X	SP-2 (A-D)	8			C			X	X		X			X	X				X		COMP: 4→1

Special Instructions/Comments:

Deliverable Requirements: ☐ Tier I ☐ Tier II ☐ Tier III

LAB USE ONLY:
Condition of Sample Custody Seals
Temperature Received Storage Location
Notes

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	PEG	7/31/98 0700		PEG 07:00	08/03/98
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	PEG	08/03/98 1100		PEG 1100	8/3/98
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	PEG	8/3/98		Sequoia	8/3/98

8/3/98 14:41

ANALYSIS TAT (Circle Choice)
STANDARD - 10 Business Days
RUSH TAT - Surcharges Apply
☐ 5 Days
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours

To be completed upon receipt of report:
1) Were the analyses requested on the Chain of Custody reported? ☐ Yes ☐ No If no, what analyses are still needed?
2) Was the report issued within the requested turnaround time? ☐ Yes ☐ No If no, what was the turnaround time?

Approved by: Signature: Company: Date:

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: PEI
REC. BY (PRINT) Josh

WORKORDER: 9808C55
DATE OF LOG-IN: 8-4-98

CIRCLE THE APPROPRIATE RESPONSE

1. Custody Seal(s): Present / (Absent) Intact / Broken*
2. Custody Seal #: Put in Remarks Section
3. Chain-of-Custody: (Present) / Absent*
4. Traffic Reports or Packing List: Present / (Absent)
5. Airbill: Airbill / Sticker Present / (Absent)
6. Airbill #:
7. Sample Tags: (Present) / Absent
   Sample Tags #s: (Listed) / Not Listed on Chain-of-Custody
8. Sample Condition: (Intact) / Broken* / Leaking*
9. Does information on custody reports, traffic reports and sample tags agree? (Yes) / No*
10. Proper Preservatives used: (Yes) / No*
11. Date Rec. at Lab: 8-3-98
12. Time Rec. at Lab: 14:41
13. Temp Rec. at Lab: 15°C

LAB SAMPLE #	DASH #	CLIENT IDENTIFICATION	CONTAINER DESCRIPTION	SAMPLE MATRIX	DATE SAMP.	REMARKS. CONDITION (ETC.)
1	A	D1	1 x core	S	7/31	
2		D2				
3		D3				
4		B4				
5		WO-1				
6		WO-2				
7	A	SP-1 A				
	B	B				
	C	C				
	D	D				
8	A	SP 2 A				
	B	B				
	C	C				
	D	D				

8-5-98

*If Circled, contact Project Manager and attach record of resolution.

Revision 6/18/97

SEP 15 1998

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110

Attention: Tim Ripp

Client Proj. ID: 311-038.1C/5430, Castro St.

Lab Proj. ID: 9808B07

Sampled: 07/31/98
Received: 08/03/98
Analyzed: see below

Reported: 08/21/98

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9808B07-01				
Sample Desc : **SOLID,SP-2(A-D)comp**				
Lead: STLC Extraction	**mg/L**	**08/21/98**	**0.10**	**8.4**

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Tod Granicher
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110 Attention: Tim Ripp	Client Proj. ID: 311-038.1C/5430, Castro St. Sample Descript: SP-2(A-D)comp Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9808B07-01	Sampled: 07/31/98 Received: 08/03/98 Extracted: 08/19/98 Analyzed: 08/21/98 Reported: 08/21/98

QC Batch Number: GC081998BTEX30A
Instrument ID: GCHP30

Total Purgeable Petroleum Hydrocarbons w/BTEX : TCLP Extraction

Analyte	Detection Limit ug/L	Sample Results ug/L
Benzene	10	310

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	105

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Tod Granicher
Project Manager

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Pacific Environmental Group
2025 Gateway Place, Suite 4450
San Jose, CA 95110
Attention: Tim Ripp

Client Project ID: 311-038.1C/5430, Castro St.

QC Sample Group: 9808b07

Reported: Sep 10, 1998

QUALITY CONTROL DATA REPORT

Matrix:	Liquid
Method:	EPA 8015
Analyst:	DB
ANALYTE	Gasoline

QC Batch #: GC081998BTEX30A

Sample No.:	GW9808686-02
Date Prepared:	8/19/98
Date Analyzed:	8/19/98
Instrument I.D.#:	GCHP30
Sample Conc., ug/L:	N.D.
Conc. Spiked, ug/L:	250
Matrix Spike, ug/L:	260
% Recovery:	104
Matrix Spike Duplicate, ug/L:	240
% Recovery:	96
Relative % Difference:	8.0
RPD Control Limits:	0-25

LCS Batch#: GWLCS081998A

Date Prepared:	8/19/98
Date Analyzed:	8/19/98
Instrument I.D.#:	GCHP30
Conc. Spiked, ug/L:	250
LCS Recovery, ug/L:	250
LCS % Recovery:	100

Percent Recovery Control Limits:

MS/MSD	60-140
LCS	70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Tod Granicher
Project Manager

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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Tim Ripp

Client Project ID: 311-038.1C/5430, Castro St.
Matrix: Liquid
Work Order #: 9808B07 01

Reported: Sep 11, 1998

QUALITY CONTROL DATA REPORT

Analyte:	Beryllium	Cadmium	Chromium	Nickel
QC Batch#:	ME0821986010MDB	ME0821986010MDB	ME0821986010MDB	ME0821986010MDB
Analy. Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010
Prep. Method:	EPA 3010	EPA 3010	EPA 3010	EPA 3010
Analyst:	C. Caoile	C. Caoile	C. Caoile	C. Caoile
MS/MSD #:	9808B3702	9808B3702	9808B3702	9808B3702
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	8/20/98	8/20/98	8/20/98	8/20/98
Analyzed Date:	8/21/98	8/21/98	8/21/98	8/21/98
Instrument I.D.#:	MTJA5	MTJA5	MTJA5	MTJA5
Conc. Spiked:	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L
Result:	1.1	1.1	1.1	1.1
MS % Recovery:	110	110	110	110
Dup. Result:	1.1	1.1	1.1	1.0
MSD % Recov.:	110	110	110	100
RPD:	0.0	0.0	0.0	9.5
RPD Limit:	0-20	0-20	0-20	0-20
LCS #:	BLK082098	BLK082098	BLK082098	BLK082098
Prepared Date:	8/20/98	8/20/98	8/20/98	8/20/98
Analyzed Date:	8/21/98	8/21/98	8/21/98	8/21/98
Instrument I.D.#:	MTJA5	MTJA5	MTJA5	MTJA5
Conc. Spiked:	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L
LCS Result:	1.1	1.1	1.0	1.0
LCS % Recov.:	110	110	100	100
MS/MSD	80-120	80-120	80-120	80-120
LCS	80-120	80-120	80-120	80-120
Control Limits				

SEQUOIA ANALYTICAL

Tod Granicher
Project Manager

Please Note:
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** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Pacific Environmental Group	Client Proj. ID: 311-038.1C/5430, Castro St.	Received: 08/03/98
2025 Gateway Place, Suite 440		
San Jose, CA 95110	Lab Proj. ID: 9808B07	Reported: 08/21/98
Attention: Tim Ripp		

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 6 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

SEQUOIA ANALYTICAL

Tod Granicher
Project Manager

Page 1 of 1

LABORATORY SERVICE AGREEMENT

SEQUOIA REDWOOD CITY

Chain-of-Custody Record

Columbia Analytical Services, Inc.
1-800-695-7222
TOSCO

Tosco Site Number: 76 SERVICE STATION 5430
Tosco Site Address: 1935 WASHINGTON AVE. @ CASTRO ST.
Tosco Contact (Name): MS. TINA BERRY
(Phone): (925) 277-2321
Tosco Project Code #:
Laboratory Name: SEQUOIA ANALYTICAL, REDWOOD CITY
Laboratory Work Order:
AWO: PEG PROJECT 311-038.1C

Consultant Project Number: 311-038.1C
Consultant Name: PEG
Address: 2025 GATEWAY PLACE, STE 440, SAN JOSE, CA 95110
Project Contact (Name): TIM RIPP
(Phone): (408) 441-7500 (Fax): (408) 441-7539
Sample Collected By (Name): Mark Gubrud
Collection Date: 7/31/98 Signature:
Method of Shipment: LAB COURIER

Sample ID Number	Lab Sample Number	Number of Containers	MATRIX S=Soil A=Air W=Water C=Charcoal	TYPE G=Grab C=Composite D=Discrete	Sample Date	Sample Time	Sample Preservation	BTEX + TPH GAS + MTBE (8021/602 + 8015 modified)	TPH (8015 modified) FC GAS DIESEL OIL	BTEX + MTBE (8021/602) (8260)	Oil and Grease (5520) (413.1) (413.2)	Purgeable Halocarbons (8021) (601)	Purgeable Aromatics (8021) (602)	Volatile Organics (8260) (624)	Semi Volatile Organics (8270) (625)	Total Lead	TRPH (418.1)	MTBE Confirmation (8260)	TTLC Cd, Cr, Ni, Pb, Zn		Remarks
D-1	1	1 EA	S	D	07/31/98		ICED	X								X					RESULTS DUE TO
D-2	2							X								X					TIM RIPP, PEG
D-3	3							X								X					ON 08/17/98.
D-4	4							X								X					
WO-1	5							X	X		X	X							X		
WO-2	6							X	X		X	X							X		
SP-1 (A-D)	7	4 EA		C				X								X					COMP. 4→1
SP-2 (A-D)	8			C				X	X		X			X	X				X		COMP. 4→1

9808085

Special Instructions/Comments:

Deliverable Requirements: ☐ Tier I ☐ Tier II ☐ Tier III

LAB USE ONLY:
Condition of Sample: Custody Seals:
Temperature Received: Storage Location:
Notes:

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	PEG	8/3/98 0700		PEG 07:00	08/03/98
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	PEG	08/03/98 1100		PEG 1100	8/3/98
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	PEG	8/3/98		Sequoia	8/3/98

8/3/98 14:41

ANALYSIS TAT (Circle Choice)
STANDARD - 10 Business Days
RUSH TAT - Surcharges Apply
☐ 5 Days
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours

To be completed upon receipt of report:
Were all the analyses requested on the Chain of Custody reported? ☐ Yes ☐ No If no, what analyses are still needed?

SEP 15 1998

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110

Attention: Tim Ripp

Client Proj. ID: 311-038.1C/5430, Castro St.

Lab Proj. ID: 9808E71

Sampled: 07/31/98
Received: 08/03/98
Analyzed: see below

Reported: 08/26/98

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9808E71-01				
Sample Desc : **SOLID,SP-2(A-D)comp**				
Lead: STLC Extraction	**mg/L**	**08/26/98**	**0.10**	**6.3**
Lead: TCLP Extraction	**mg/L**	**08/26/98**	**0.10**	**6.4**

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Tod Granicher
Project Manager

Sequoia Analytical

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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Tim Ripp

Client Project ID: 311-038.1C/5430, Castro St.
Matrix: LIQUID
Work Order #: 9808E71 01

Reported: Sep 11, 1998

QUALITY CONTROL DATA REPORT

Analyte:	Beryllium	Cadmium	Chromium	Nickel
QC Batch#:	ME0825986010MDA	ME0825986010MDA	ME0825986010MDA	ME0825986010MDA
Analy. Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010
Prep. Method:	EPA 3010	EPA 3010	EPA 3010	EPA 3010
Analyst:	C. Caoile	C. Caoile	C. Caoile	C. Caoile
N.D.	9808D7302	9808D7302	9808D7302	9808D7302
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	8/25/98	8/25/98	8/25/98	8/25/98
Analyzed Date:	8/25/98	8/25/98	8/25/98	8/25/98
Instrument I.D.#:	MTJA5	MTJA5	MTJA5	MTJA5
Conc. Spiked:	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L
Result:	1.0	1.0	1.0	1.0
MS % Recovery:	100	100	100	100
Dup. Result:	1.0	1.0	1.0	1.0
MSD % Recov.:	100	100	100	100
RPD:	0.0	0.0	0.0	0.0
RPD Limit:	0-20	0-20	0-20	0-20
LCS #:	BLK081598	BLK081598	BLK081598	BLK081598
Prepared Date:	8/25/98	8/25/98	8/25/98	8/25/98
Analyzed Date:	8/25/98	8/25/98	8/25/98	8/25/98
Instrument I.D.#:	MTJA5	MTJA5	MTJA5	MTJA5
Conc. Spiked:	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L
LCS Result:	1.0	1.0	1.0	1.0
LCS % Recov.:	100	100	100	100
MS/MSD Control Limits	80-120	80-120	80-120	80-120
LCS Control Limits	80-120	80-120	80-120	80-120

SEQUOIA ANALYTICAL

Tod Granicher
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

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404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Tim Ripp

Client Project ID: 311-038.1C/5430, Castro St.
Matrix: LIQUID
Work Order #: 9808E71 01

Reported: Sep 11, 1998

QUALITY CONTROL DATA REPORT

Analyte:	Beryllium	Cadmium	Chromium	Nickel
QC Batch#:	ME0825986010MDB	ME0825986010MDB	ME0825986010MDB	ME0825986010MDB
Analy. Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010
Prep. Method:	EPA 3010	EPA 3010	EPA 3010	EPA 3010
Analyst:	C. Caoile	C. Caoile	C. Caoile	C. Caoile
N.D.	9808F2302	9808F2302	9808F2302	9808F2302
Sample Conc.:	N.D.	0.012	0.051	N.D.
Prepared Date:	8/25/98	8/25/98	8/25/98	8/25/98
Analyzed Date:	8/26/98	8/26/98	8/26/98	8/26/98
Instrument I.D.#:	MTJA5	MTJA5	MTJA5	MTJA5
Conc. Spiked:	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L
Result:	1.0	1.0	1.1	1.0
MS % Recovery:	100	100	110	100
Dup. Result:	1.0	1.0	1.1	1.0
MSD % Recov.:	100	100	110	100
RPD:	0.0	0.0	0.0	0.0
RPD Limit:	0-20	0-20	0-20	0-20
LCS #:	BLK082598	BLK082598	BLK082598	BLK082598
Prepared Date:	8/25/98	8/25/98	8/25/98	8/25/98
Analyzed Date:	8/26/98	8/26/98	8/26/98	8/26/98
Instrument I.D.#:	MTJA5	MTJA5	MTJA5	MTJA5
Conc. Spiked:	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L
LCS Result:	1.0	1.0	1.0	1.0
LCS % Recov.:	100	100	100	100
MS/MSD	80-120	80-120	80-120	80-120
LCS	80-120	80-120	80-120	80-120
Control Limits				

SEQUOIA ANALYTICAL

Tod Granicher
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
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Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110 Attention: Tim Ripp	Client Proj. ID: 311-038.1C/5430, Castro St. Lab Proj. ID: 9808E71	Received: 08/03/98 Reported: 08/26/98

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 5 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

SEQUOIA ANALYTICAL

Tod Granicher
Project Manager

Page 1 of 1

LABORATORY SERVICE AGREEMENT

SEQUOIA REDWOOD CITY

Chain-of-Custody Record

Columbia Analytical Services™
1-800-695-7222
TOSCO

Tosco Site Number: 76 SERVICE STATION 5430
Tosco Site Address: 1935 WASHINGTON AVE. @ CASTRO ST.
Tosco Contact (Name): MS. TINA BERRY
(Phone): (925) 277-2321
Tosco Project Code #:
Laboratory Name: SEQUOIA ANALYTICAL, REDWOOD CITY
Laboratory Work Order:
AWO: PEG PROJECT 311-038.1C

Consultant Project Number: 311-038.1C
Consultant Name: PEG
Address: 2025 GATEWAY PLACE, STE 440, SAN JOSE, CA 95110
Project Contact (Name): TIM RIPP
(Phone): (408) 441-7500 (Fax): (408) 441-7539
Sample Collected By (Name): Mark Gubrud
Collection Date: 7/31/98 Signature:
Method of Shipment: LAB COURIER

Sample ID Number	Lab Sample Number	Number of Containers	MATRIX S=Soil W=Water A=Air C=Charcoal	TYPE G=Grab C=Composite D=Discrete	Sample Date	Sample Time	Sample Preservation	Analyses To Be Performed: BTEX + TPH GAS + MTBE (8021/602 + 8015 modified)	TPH (8015 modified) FC GAS X DIESEL OIL	BTEX + MTBE (8021/602) (8260)	Oil and Grease (5520) (413.1) (413.2)	Purgeable Halocarbons (8021) (601) 8010	Purgeable Aromatics (8021) (602)	Volatile Organics (8260) (624) 8240	Semi Volatile Organics (8270) (625)	Total Lead	TRPH (418.1)	MTBE Confirmation (8260)	TTLC Cd, Cr, Ni, Pb, Zn		Remarks
D-1	1	1 EA	S	D	07/31/98		ICE	X								X					RESULTS DUE TO
D-2	2							X								X					TIM RIPP, PEG
D-3	3							X								X					ON 08/17/98.
D-4	4							X								X					
WO-1	5							X	X		X	X									
WO-2	6							X	X		X	X							X		
SP-1 (A-D)	7	4 EA		C				X	X		X	X							X		
SP-2 (A-D)	8			C				X						X	X	X			X		COMP. 4→1
								X	X		X			X	X				X		COMP. 4→1

980805

Special Instructions/Comments:

Deliverable Requirements: ☐ Tier I ☐ Tier II ☐ Tier III

LAB USE ONLY:
Condition of Sample: Custody Seals:
Temperature Received: Storage Location:
Notes:

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	PEG	7/31/98 0700		PEG 07:00	08/03/98
	PEG	08/03/98 1100		PEG 1100	8/3/98
	PEG	8/3/98		SEQUOIA	8/3/98

8/3/98 14:41

ANALYSIS TAT (Circle Choice)
STANDARD - 10 Business Days
RUSH TAT - Surcharges Apply
☐ 5 Days
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours

To be completed upon receipt of report:
1) Were the analyses requested on the Chain of Custody reported? ☐ Yes ☐ No If no, what analyses are still needed?
2) Was the report issued within the requested turnaround time? ☐ Yes ☐ No If no, what was the turnaround time?