

ROCKWOOD CHRISTIE LLC
c/o TMG PARTNERS
100 Bush Street, Suite 2600
San Francisco, CA 94104
(415) 772-5900

November 3, 2011

241.082.01.001

Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

RECEIVED

10:32 am, Nov 14, 2011

Alameda County
Environmental Health

Attention: Mr. Mark Detterman


Transmittal
Report of Phase II Subsurface Investigation
6340 and 6390 Christie Avenue
Emeryville, California
Fuel Leak Case No. RO0000057
Geotracker Global ID T0600191821

Dear Mr. Detterman:

Submitted herewith for your review is the *Report of Phase II Subsurface Investigation 6340 and 6390 Christie Avenue, Emeryville, California*, prepared by PES Environmental, Inc. As you requested in your letter of August 15, 2011, this document has been prepared to provide details regarding this 2005 investigation that were not included in the previously issued memorandum dated January 21, 2005.

I declare, under penalty of perjury, that the information and recommendations contained in the attached document are true and correct to the best of my knowledge.

Very truly yours,
Rockwood Christie LLC


Denise Pinkston
Authorized Representative
Email: dpinkston@tmgpartners.com

cc: William Mast (PES Environmental)
Nicholas Targ, Esq. (Holland & Knight)



October 14, 2011

241.082.02.005

Rockwood Christie LLC
c/o TMG Partners
100 Bush Street, 26th Floor
San Francisco, CA 94104

Attention: Ms. Denise Pinkston

**Subject: Report of Phase II Subsurface Investigation
6340 and 6390 Christie Avenue
Emeryville, California**

Dear Ms. Pinkston,

As you are aware, in December 2004 PES Environmental, Inc. (PES) conducted a Phase II subsurface investigation of the commercial properties located at 6340 and 6390 Christie Avenue in Emeryville, California (Plate 1). The work was performed on behalf of TMG Partners as part of property transaction due diligence. Upon completing the investigation, PES prepared a memorandum summarizing the findings¹; a copy of the memorandum is provided in Appendix A. At that time, no formal document describing the investigation activities was needed or requested. However, as part of current efforts to work towards and obtain closure of the open underground storage tank case at the 6340 Christie parcel, Alameda County Environmental Health (ACEH) requested in a letter dated August 15, 2011² a formal report that: describes the 2004 investigation and methodology, provides analytical laboratory reports, and is signed and stamped by a licensed professional. This report provides a brief description of the site investigation and sampling that was performed, the methodologies that were used, and the analytical results of the investigation.

The goals of the subsurface investigation were to evaluate: (1) soil and groundwater quality beneath the site in the vicinity of the transmission service area to assess the potential for releases of chemicals to have affected these media; (2) groundwater conditions that might result

¹ PES, *Phase II Environmental Subsurface Investigation Results, Gold and Wolfman Properties, Emeryville, California*. January 21, 2005.

² ACEH, *Request for Upload Compliance and Remedial Action Report, for Fuel Leak Case No. RO0000057 and GeoTracker Global ID T0600191821, Lerer Brother Transmission, 6340 Christie Avenue, Emeryville, 94608. August 15, 2011.*

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from offsite, upgradient sources; and (3) the potential presence of methane gas in soil beneath the site.

Pre-Field Activities and General Procedures

Pre-field activities consisted of the following: (1) preparing a site-specific Health and Safety Plan (HSP), (2) obtaining a drilling permit from Alameda County Public Works Agency (ACPWA), (3) contacting Underground Service Alert, (4) retaining C Cruz of Milpitas, California, a private utility locator, to perform utility clearance at all sampling locations, (5) retaining and scheduling Precision Sampling, Inc. (Gregg) of Martinez, California, a licensed drilling contractor possessing a valid C-57 water well contractor's license, to perform the soil and grab groundwater sampling, and (6) retaining and scheduling TEG Northern California Inc. (TEG) of Rancho Cordova, California, a licensed drilling contractor possessing a valid C-57 water well contractor's license, to perform the soil vapor sampling. A copy of the ACPWA drilling permit is provided in Appendix B.

The site-specific HSP was prepared by PES to comply with applicable Federal and California Occupational Safety and Health Administration (OSHA) guidelines for the field activities described below.

Downhole drilling and sampling equipment was steam cleaned at the commencement of fieldwork and after completing each borehole to reduce the potential for cross-contamination between sampling locations. Soil cuttings, decontamination rinsate, and any excess bailed groundwater was containerized in 55-gallon drums and temporarily stored on the site, prior to be disposed as non-hazardous waste at a licensed disposal facility.

Soil Sampling Methods and Procedures

Soil borings were advanced at 6 locations (SB-1 through SB-6) to maximum depths ranging from 8 to 12 feet below ground surface (bgs). Sampling locations are shown on Plate 2. Samples were collected at each boring from two discrete depths (approximately 2 and 7 feet bgs) using a direct-push drill rig equipped with a Macrocore soil sampler. All soil sampling was conducted under the supervision of a California-registered geologist and soil cores were screened at the site with a photoionization detector (PID).

The soil samples were transported under chain-of-custody protocol to Entech Analytical Labs, Inc. (Entech) in Santa Clara, California, a California state-certified laboratory for the requested analyses. Discrete soil samples were analyzed for: (1) total petroleum hydrocarbons (TPH) quantified as gasoline (TPHg) using GC/MS, (2) TPH quantified as diesel (TPHd) and motor oil (TPHmo) using U.S. EPA Method 8015M, and (3) volatile organic compounds (VOCs) using U.S. EPA Method 8260B. Additionally, composite soil samples were analyzed

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for: (1) five metals (cadmium, chromium, lead, nickel, and zinc) using U.S. EPA Method 6010B, and (2) polychlorinated biphenyls (PCBs) using U.S. EPA Test Method 8082A.

Groundwater Sampling Methods and Procedures

Borehole drilling and groundwater sampling services were conducted in accordance with California Department of Water Resource Water Well Standards (Bulletin 74-90). Grab groundwater sampling was conducted at seven locations (GW-1 through GW-7) across the site (Plate 2). Six of the groundwater sampling locations were co-located at and utilized the boreholes for the six soil borings; one location (GW-7) was located downgradient of the 6340 Christie building. A 0.75-inch diameter schedule 40 polyvinyl chloride (PVC) casing with 5 feet of 0.010-inch factory-slotted PVC well screen at the bottom was placed in the borehole.

The PVC casing was purged of approximately one-casing volume of water. Following purging, a new disposable bailer was utilized to obtain a representative groundwater sample at each location. The groundwater samples were transported to Entech under chain-of-custody protocol and analyzed for: (1) VOCs using U.S. EPA Method 8260B (2) TPHg using GC/MS and (3) TPHd/mo using by U.S. EPA Method 8015M.

After collection of groundwater samples, the PVC casings removed, the borings were tremie grouted in accordance with ACPWA permit requirements. ACPWA was notified of the work within the timeframe specified in the drilling permit, and a grout inspector performed periodic on-site inspections during grouting activities.

Soil Vapor Sampling Methods and Procedures

Temporary soil vapor probe installation, soil vapor sample collection, and laboratory analysis was conducted by TEG. Soil vapor sampling methodologies were developed to be consistent with all applicable California Department of Toxic Substances Control (DTSC) guidelines. A target sampling depth was initially planned. However, because of shallow groundwater (3 to 4 feet bgs), soil vapor samples were collected at depths from 1 to 3 feet below ground surface (bgs).

Each vapor probe was constructed using a plastic air diffuser screen fitted with ¼-inch diameter Teflon tubing. The screen was set approximately 6 inches off the bottom of the borehole in an approximately 1-foot thick sand pack. Six inches of dry granular bentonite was placed on top of the sand pack followed by hydrated bentonite to the surface.

Soil vapor samples were collected with a Strataprobe rig outfitted for soil vapor sample collection. Soil vapor samples were collected by using a rotohammer to drive a 1-inch diameter, hollow, stainless-steel, soil vapor probe to the target sampling depth. A hydrated bentonite seal was placed around the rods to reduce the potential for ambient air entering the

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sample. Upon reaching the target depth, a continuous length of new inert 1/8-inch-diameter polypropylene Nylaflo tubing was inserted down the center of the probe and threaded onto the sampling port. The probe was then raised approximately 4 inches, to expose the soil vapor sampling ports. Because of the shallow water table and the initial difficulty in obtaining a soil vapor sample without drawing in groundwater, no purge volume test was conducted.

Soil vapor wells were allowed to equilibrate at least 30 minutes before soil vapor samples were collected. A leak test was conducted during collection of each soil vapor sample to evaluate whether an effective seal was established in the sampling train. A leak check compound, 1,1-difluoroethane (1,1-DFA), was placed around the connections in the sampling train in order to evaluate potential leaks of ambient air into the sampling train.

Each probe was purged using a glass syringe connected to the tubing via a three-way valve. Following the purging of the appropriate volume, the soil vapor sample was collected using a glass syringe connected to a sampling port and immediately transferred to the onsite mobile laboratory for chemical analysis. The syringes were decontaminated by baking them in an oven in accordance with DTSC Guidelines.

The soil vapor samples were analyzed onsite by TEG for volatile organic compounds (VOCs) using EPA Method 8260B. Quality control (QC) samples collected and analyzed by the on-site mobile laboratory include a daily duplicate soil vapor sample and method (probe) blank sample. Surrogate recoveries and leak check compound(s) results were reported for every sample analyzed. Laboratory analytical reports for the soil gas samples are presented in Appendix B. Additionally, samples were field screened for methane using a GEM 500 Landfill Gas Meter.

Upon completion of sampling activities, the Teflon tubing was removed from each borehole and the 1-inch diameter probe hole was grouted with neat cement prior to patching the surface with asphalt cold-patch to match the existing surface conditions, as needed.

Analytical Results for Soil Samples

Laboratory analytical results are summarized in Table 1 and laboratory reports and chain-of-custody documentation is provided in Appendix C. TPH_{mo} was detected at concentrations ranging from 13 to 3,600 milligrams per kilogram (mg/kg) in all the soil samples except for the samples from boring SB-5, where TPH_{mo} was not detected. TPH_g was detected in three samples at concentrations ranging from 0.077 to 110 mg/kg. No VOCs or PCBs were detected in the soil samples. Chromium, lead, nickel, and zinc were detected at concentrations up to 49 mg/kg, 65 mg/kg, 760 mg/kg, and 1,800 mg/kg, respectively.

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Analytical Results for Grab Groundwater Samples

Laboratory analytical results are summarized in Table 2 and laboratory reports and chain-of-custody documentation is provided in Appendix C. TPHd, TPHmo, and TPHg were detected at concentrations ranging to 49,000 micrograms per liter ($\mu\text{g/L}$), 7,400 $\mu\text{g/L}$, and 110 $\mu\text{g/L}$, respectively. The following five VOCs that appear to be related to the detected petroleum hydrocarbons were detected: benzene, toluene, xylenes, carbon disulfide, and methyl tert-butyl ether (MTBE).

Analytical Results for Soil Vapor Samples

Laboratory analytical results for soil vapor samples are summarized in Table 3 and the laboratory report is provided in Appendix C. TPH (C-5 to C-11 range) was detected in all 12 samples at concentrations ranging from 2.2 to 830 $\mu\text{g/L}$ of air. Several VOCs (cis-1,2-dichloroethene, benzene, toluene, and m/p-xylenes) were detected in scattered samples. Methane was observed using field monitoring equipment at concentrations ranging from 0.2 to 85 percent.

We trust this is the information that you require at this time. Please call either of the undersigned at (415) 899-1600 if you have any questions.

Yours very truly,

PES ENVIRONMENTAL, INC.

William W. Mast, P.G.
 Associate Engineer



Attachments: Table 1 – Summary of Analytical Results for Soil
 Table 2 – Summary of Analytical Results for Groundwater
 Table 3 – Summary of Analytical Results for Soil Vapor
 Plate 1 – Site Location Map
 Plate 2 - Sampling Location Map
 Appendix A – 2005 Phase II Memorandum
 Appendix B – ACPWA Drilling Permit
 Appendix C – Laboratory Analytical Reports for Soil and Groundwater Samples
 Appendix D - Laboratory Analytical Reports for Soil Vapor Samples

TABLES

**Table 1. Summary of Analytical Results for Soil
Report of Phase II Subsurface Investigation
6340 & 6390 Christie Avenue
Emeryville, California**

Sample ID	Sample Depth (ft)	Sample Location	Date Collected	TPHd (mg/kg)	TPHmo (mg/kg)	TPHg (mg/kg)	VOCs (mg/kg)	PCBs (mg/kg)	Chromium (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Zinc (mg/kg)
Discrete Samples												
SB-1-2	2	1	12/15/04	<50	560	<40	ND	--	--	--	--	--
SB-1-7	7	1	12/15/04	<13	140	<42	ND	--	--	--	--	--
SB-2-2	2	2	12/15/04	<5	40	<41	ND	--	--	--	--	--
SB-2-7	7	2	12/15/04	<2.5	47	3.0	ND	--	--	--	--	--
SB-3-2	2	3	12/15/04	<13	150	<42	ND	--	--	--	--	--
SB-3-7	7	3	12/15/04	<25	360	110	ND	--	--	--	--	--
SB-4-2	2	4	12/15/04	<6.3	3,600	<53	ND	--	--	--	--	--
SB-4-7	7	4	12/15/04	<2.5	22	<54	ND	--	--	--	--	--
SB-5-2	2	5	12/15/04	<2.5	<10	<39	ND	--	--	--	--	--
SB-5-7	7	5	12/15/04	<2.5	<10	<41	ND	--	--	--	--	--
SB-6-2	2	6	12/15/04	<2.5	13	<42	ND	--	--	--	--	--
SB-6-7	7	6	12/15/04	<2.5	2,600	0.077	ND	--	--	--	--	--
Composite Samples												
(SB-1-2)(SB-1-7)Comp	Composite	1	12/15/04	--	--	--	--	--	49	65	47	160
(SB-2-2)(SB-2-7)Comp	Composite	2	12/15/04	--	--	--	--	--	21	<5	23	59
(SB-3-2)(SB-3-7)Comp	Composite	3	12/15/04	--	--	--	--	--	46	<5	55	27
6390 Shallow Comp	Composite	1,2,3	12/15/04	--	--	--	--	<0.1	--	--	--	--
(SB-4-2)(SB-4-7)Comp	Composite	4	12/15/04	--	--	--	--	--	41	6.1	41	62
(SB-5-2)(SB-5-7)Comp	Composite	5	12/15/04	--	--	--	--	--	38	<5	40	30
(SB-6-2)(SB-6-7)Comp	Composite	6	12/15/04	--	--	--	--	--	2.6	55	760	1,800
6340 Shallow Comp	Composite	4,5,6	12/15/04	--	--	--	--	<0.1	--	--	--	--

Notes:

mg/kg = Milligrams per kilogram.

TPHd = Total petroleum hydrocarbons as diesel (U.S. EPA Test Method 8015M).

TPHmo = Total petroleum hydrocarbons as motor oil (U.S. EPA Test Method 8015M).

TPHg = Total petroleum hydrocarbons as gasoline (U.S. EPA Test Method 8260).

VOCs = Volatile organic compounds (U.S. EPA Test Method 8260).

PCBs = Poly-chlorinated biphenyls (U.S. EPA Test Method 8082).

LUFT metals (cadmium, chromium, lead, nickel, and zinc) analyzed using U.S. EPA Test Method 6010B. Only detected metals are listed.

<2.5 = Not detected at or above the indicated laboratory reporting limit.

ND = No analytes detected at or above their respective laboratory reporting limits for the indicated analytical method.

-- = Not analyzed or not applicable.

**Table 2. Summary of Analytical Results for Groundwater
Report of Phase II Subsurface Investigation
6340 & 6390 Christie Avenue
Emeryville, California**

Sample ID	Sample Depth (ft)	Sample Location	Date Collected	TPHd (µg/L)	TPHmo (µg/L)	TPHg (µg/L)	VOCs				
							Benzene (µg/L)	Toluene (µg/L)	Total Xylenes (µg/L)	Carbon Disulfide (µg/L)	Methyl t-Butyl Ether (µg/L)
GW-1-12	12	1	12/15/04	7,000	<1,300	<25	0.81	0.68	<0.5	<0.5	<1
GW-2-8	8	2	12/15/04	<250	3,300	37	<0.5	<0.5	<0.5	0.74	21
GW-3-8	8	3	12/15/04	<250	7,400	<25	<0.5	<0.5	<0.5	<0.5	<1
GW-4-11	11	4	12/15/04	22,000	<10,000	<250	<5	<5	<5	<5	<10
GW-5-12	12	5	12/15/04	9,700	<5,000	110	2.8	<0.5	1.5	<0.5	<1
GW-6-8	8	6	12/15/04	4,200	<1,300	<25	<0.5	<0.5	<0.5	<0.5	<1
GW-7-12	12	7	12/15/04	49,000	<13,000	<500	<10	<10	<10	<10	<20

Notes:

µg/L = Micrograms per liter.

TPHd = Total petroleum hydrocarbons as diesel (U.S. EPA Test Method 8015M).

TPHmo = Total petroleum hydrocarbons as motor oil (U.S. EPA Test Method 8015M).

TPHg = Total petroleum hydrocarbons as gasoline (U.S. EPA Test Method 8260).

VOCs = Volatile organic compounds (U.S. EPA Test Method 8260). Only detected VOCs are listed.

All other VOCs not detected at or above their respective laboratory reporting limits.

<25 = Not detected at or above the indicated laboratory reporting limit.

**Table 3. Summary of Analytical Results for Soil Vapor
Report of Phase II Subsurface Investigation
6340 & 6390 Christie Avenue
Emeryville, California**

Sample ID	Sample Depth (ft)	Sample Location	Date Collected	VOCs				TPH (µg/L)	Methane (% Gas)
				cis-1,2-DCE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	m,p-Xylenes (µg/L)		
SG-1-2	2	SG-1	12/15/04	<0.10	<0.10	<0.10	<0.10	6.8	--
SG-2-1	1	SG-2	12/15/04	<0.10	<0.10	<0.10	<0.10	2.6	ND
SG-3-3	3	SG-3	12/15/04	<0.10	<0.10	<0.10	<0.10	9.3	14
SG-4-3	3	SG-4	12/15/04	<0.10	5.5	1.1	1.4	830	85
SG-5-3	3	SG-5	12/15/04	<0.10	<0.10	<0.10	<0.10	8.8	83
SG-6-2	2	SG-6	12/15/04	0.15	<0.10	<0.10	0.10	8.3	7.8
SG-7-2	2	SG-7	12/15/04	<0.10	<0.10	<0.10	0.11	6.7	14
SG-8-3	3	SG-8	12/15/04	<0.10	0.20	0.11	0.11	76	64
SG-9-2	2	SG-9	12/15/04	<0.10	<0.10	0.10	0.12	2.2	9.0
SG-10-2	2	SG-10	12/15/04	<0.10	0.13	0.12	<0.10	31	56
SG-11-2	2	SG-11	12/15/04	<0.10	0.34	0.29	0.11	380	16
SG-12-2	2	SG-12	12/15/04	<0.10	0.13	1.4	0.11	5.6	0.2

Notes:

µg/L = Micrograms per liter of air

TPH = Total petroleum hydrocarbons in C-5 to C-11 range (U.S. EPA Test Method 8260).

VOCs = Volatile organic compounds (U.S. EPA Test Method 8260). Only detected VOCs are listed.

All other VOCs not detected at or above their respective laboratory reporting limits.

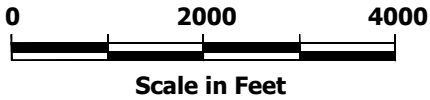
cis-1,2-DCE = cis-1,2,-Dichloroethene.

Methane analyzed in the field using a GEM 500 Landfill Gas Meter.

<0.10 = Not detected at or above the indicated laboratory reporting limit

-- = Not applicable

PLATES



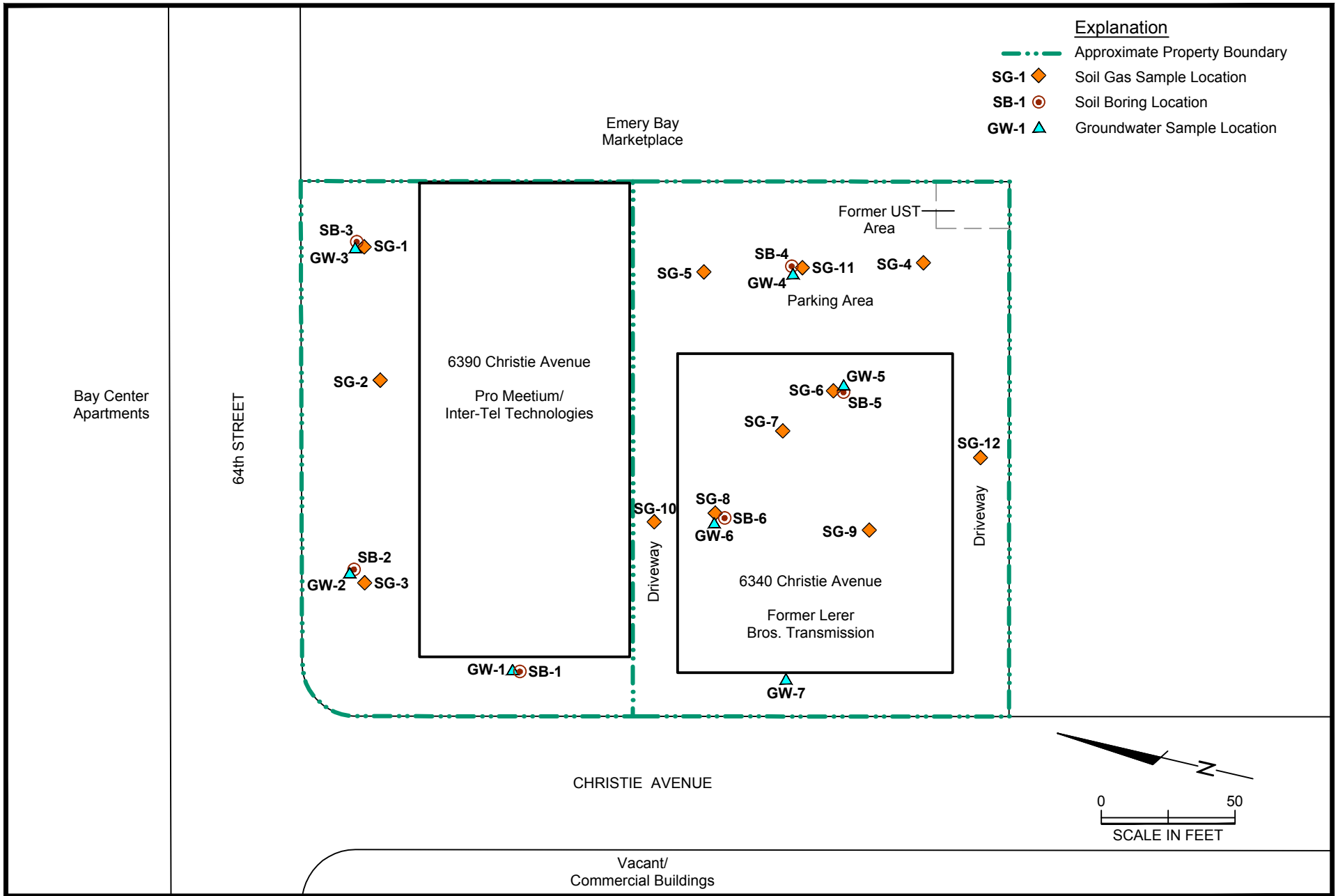
U.S.G.S. Topo Map - Oakland West, California, 7.5-minute quadrangle. 1997



Site Location Map
Phase II Subsurface Investigation
6340 and 6390 Christie Avenue
Emeryville, California

PLATE

1



APPENDIX A

2005 PHASE II MEMORANDUM



MEMORANDUM

To: Mr. Robert Wyatt -Allen Matkins Leck Gamble & Mallory, LLP

Cc: Ms. Denise Pinkston - TMG Partners

From: Will Mast and Peter Gorman - PES Environmental, Inc.

Project No.: 241.062.01.002

Date: January 21, 2005

Subject: Phase II Environmental Subsurface Investigation Results
Gold and Wolfman Properties, Emeryville, California

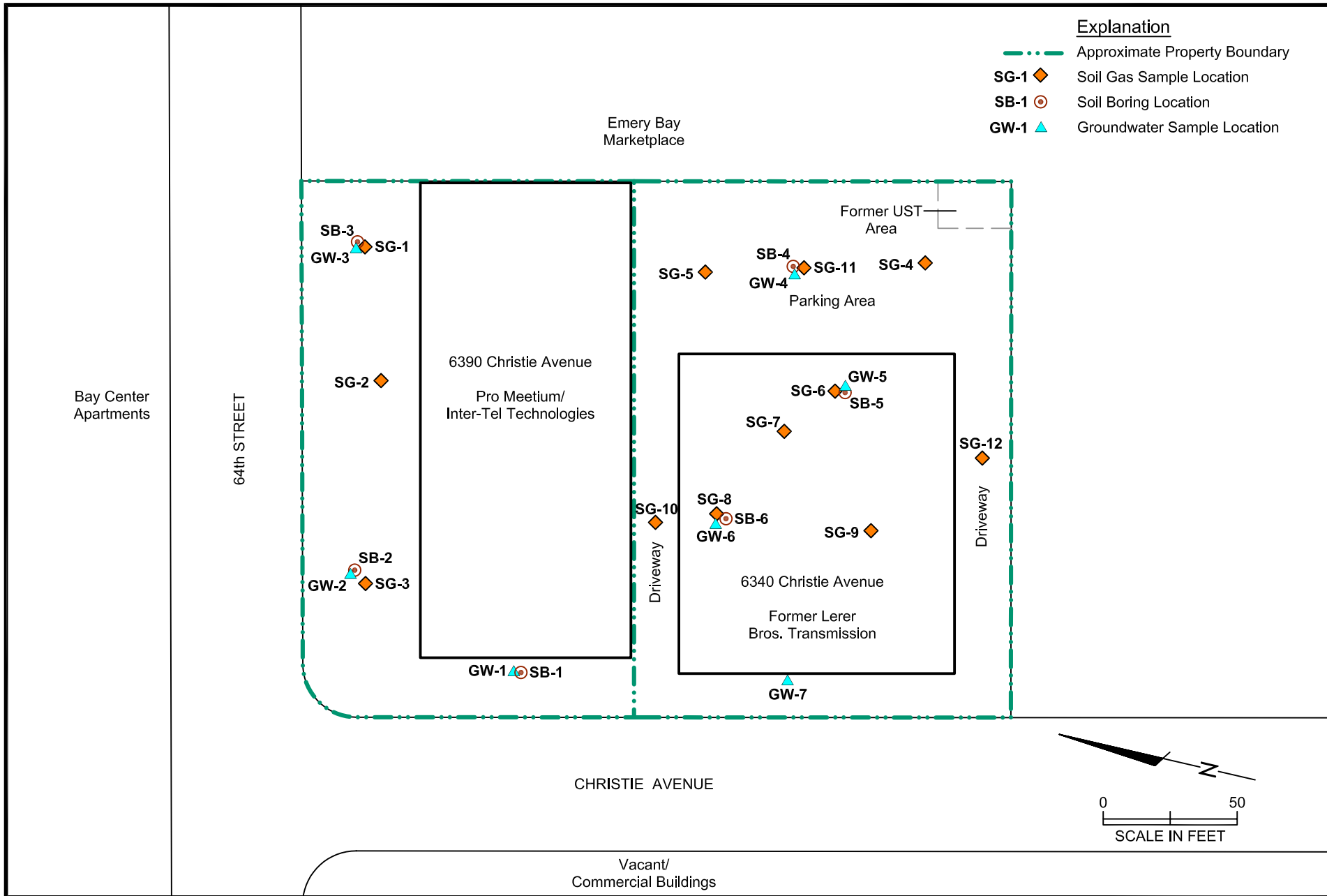
On December 15, 2004, PES conducted a subsurface investigation of the commercial properties located at 6340 and 6390 Christie Avenue in Emeryville, California (the Gold and Wolfman properties, respectively). This memorandum provides a brief description of the work performed, and presents the analytical results of the investigation. These data were previously discussed with Allen Matkins and TMG on January 7 and 11, 2005. We understand that further discussions with and review by the City of Emeryville will likely result in determining the final reporting format for these data.

Prior to the fieldwork, PES examined pre-existing environmental information, developed a sampling strategy, prepared a health and safety plan, obtained drilling permits from Alameda County, contacted Underground Service Alert, and performed utility clearance at sampling locations. Our drilling subcontractor advanced 7 borings to collect 7 groundwater samples and 12 depth-discrete soil samples. Additionally, soil gas samples were collected at 12 locations. These sampling locations are presented on Plate 1. The results of the laboratory analyses are summarized on Tables 1 through 6.

Please call (415) 899-1600 if you have any questions.

Attachments: Plate 1 – Phase II Site Investigation Sampling Locations
Table 1 – Summary of Analytical Results for Soil, 6340 Christie Avenue
Table 2 – Summary of Analytical Results for Groundwater, 6340 Christie Avenue
Table 3 – Summary of Analytical Results for Soil Vapor, 6340 Christie Avenue
Table 4 – Summary of Analytical Results for Soil, 6390 Christie Avenue
Table 5 – Summary of Analytical Results for Groundwater Vapor, 6390 Christie Avenue
Table 6 – Summary of Analytical Results for Soil Vapor, 6390 Christie Avenue

ATTACHMENTS



**Table 1. Summary of Analytical Results for Soil
Gold Property
6340 Christie Avenue
Emeryville, California**

Sample ID	Sample Depth (ft)	Sample Location	Date Collected	TPHd (mg/kg)	TPHmo (mg/kg)	TPHg (mg/kg)	VOCs (mg/kg)	PCBs (mg/kg)	Chromium (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Zinc (mg/kg)
SB-4-2	2	4	12/15/04	<6.3	3,600	<53	ND	--	--	--	--	--
SB-4-7	7	4	12/15/04	<2.5	22	<54	ND	--	--	--	--	--
SB-5-2	2	5	12/15/04	<2.5	<10	<39	ND	--	--	--	--	--
SB-5-7	7	5	12/15/04	<2.5	<10	<41	ND	--	--	--	--	--
SB-6-2	2	6	12/15/04	<2.5	13	<42	ND	--	--	--	--	--
SB-6-7	7	6	12/15/04	<2.5	2,600	0.077	ND	--	--	--	--	--
6340 Shallow Comp	Composite	4,5,6	12/15/04	--	--	--	--	<0.1	--	--	--	--
(SB-4-2)(SB-4-7)Comp	Composite	4	12/15/04	--	--	--	--	--	41	6.1	41	62
(SB-5-2)(SB-5-7)Comp	Composite	5	12/15/04	--	--	--	--	--	38	<5	40	30
(SB-6-2)(SB-6-7)Comp	Composite	6	12/15/04	--	--	--	--	--	2.6	55	760	1,800
ESLs for Residential Land Use ⁽¹⁾				500	500	100	var	0.22	58 - total	200	150	600
ESLs for Commercial Land Use ⁽¹⁾				500	1,000	400	var	0.74	58 - total	750	150	600
PRG for Residential Land Use ⁽²⁾				--	--	--	var	0.22	30 - Cr ⁶⁺	150	1,600	23,000
PRG for Commercial Land Use ⁽²⁾				--	--	--	var	0.74	64 - Cr ⁶⁺	800	20,000	100,000

- Notes:**
mg/kg = Milligrams per kilogram.
TPHd = Total petroleum hydrocarbons as diesel (U.S. EPA Test Method 8015M).
TPHmo = Total petroleum hydrocarbons as motor oil (U.S. EPA Test Method 8015M).
TPHg = Total petroleum hydrocarbons as gasoline (U.S. EPA Test Method 8260).
VOCs = Volatile organic compounds (U.S. EPA Test Method 8260).
PCBs = Poly-chlorinated biphenyls (U.S. EPA Test Method 8082).
LUFT metals (cadmium, chromium, lead, nickel, and zinc) analyzed using U.S. EPA Test Method 6010B. Only detected metals are listed.
<2.5 = Not detected at or above the indicated laboratory reporting limit.
ND = No analytes detected at or above their respective laboratory reporting limits for the indicated analytical method.
-- = Not analyzed or not applicable.
var = Varies for compounds in indicated analytical method.
(1) California Regional Water Quality Control Board, San Francisco Region Environmental Screening Level (ESL) for soil where groundwater is not a potential drinking water resource (February 2004).
(2) U.S. EPA Region 9 Preliminary Remediation Goal (PRG) for soil (October 2004).

**Table 2. Summary of Analytical Results for Groundwater
Gold Property
6340 Christie Avenue
Emeryville, California**

Sample ID	Sample Depth (ft)	Sample Location	Date Collected	TPHd (µg/L)	TPHmo (µg/L)	TPHg (µg/L)	VOCs	
							Benzene (µg/L)	Xylenes, Total (µg/L)
GW-4-11	11	4	12/15/04	22,000	<10,000	<250	<5	<5
GW-5-12	12	5	12/15/04	9,700	<5,000	110	2.8	1.5
GW-6-8	8	6	12/15/04	4,200	<1,300	<25	<0.5	<0.5
GW-7-12	12	7	12/15/04	49,000	<13,000	<500	<10	<10
ESL for groundwater ⁽¹⁾				640	640	500	46	13
ESL Ceiling level for groundwater ⁽²⁾				2,500	2,500	5,000	20,000	150,000
PRG for tap water ⁽³⁾				--	--	--	0.35	210

Notes:

µg/L = Micrograms per liter.

TPHd = Total petroleum hydrocarbons as diesel (U.S. EPA Test Method 8015M).

TPHmo = Total petroleum hydrocarbons as motor oil (U.S. EPA Test Method 8015M).

TPHg = Total petroleum hydrocarbons as gasoline (U.S. EPA Test Method 8260).

VOCs = Volatile organic compounds (U.S. EPA Test Method 8260). Only detected VOCs are listed.

All other VOCs not detected at or above their respective laboratory reporting limits.

<5 = Not detected at or above the indicated laboratory reporting limit.

(1) California Regional Water Quality Control Board, San Francisco Region Environmental Screening Level (ESL) for groundwater that is not a potential drinking water resource (February 2004).

(2) Table F-1b, RWQCB ESL (February 2004).

(3) U.S. EPA Region 9 Preliminary Remediation Goal (PRG) for tap water (October 2004).

**Table 3. Summary of Analytical Results for Soil Vapor
Gold Property
6340 Christie Avenue
Emeryville, California**

Sample ID	Sample Depth (ft)	Sample Location	Date Collected	VOCs				TPH (µg/L)	Methane (% Gas)
				cis-1,2-DCE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	m,p-Xylenes (µg/L)		
SG-4-3	3	SG-4	12/15/04	<0.10	5.5	1.1	1.4	830	85
SG-5-3	3	SG-5	12/15/04	<0.10	<0.10	<0.10	<0.10	8.8	83
SG-6-2	2	SG-6	12/15/04	0.15	<0.10	<0.10	0.10	8.3	7.8
SG-7-2	2	SG-7	12/15/04	<0.10	<0.10	<0.10	0.11	6.7	14
SG-8-3	3	SG-8	12/15/04	<0.10	0.20	0.11	0.11	76	64
SG-9-2	2	SG-9	12/15/04	<0.10	<0.10	0.10	0.12	2.2	9.0
SG-10-2	2	SG-10	12/15/04	<0.10	0.13	0.12	<0.10	31	56
SG-11-2	2	SG-11	12/15/04	<0.10	0.34	0.29	0.11	380	16
SG-12-2	2	SG-12	12/15/04	<0.10	0.13	1.4	0.11	5.6	0.2
ESL for Residential Land Use ⁽¹⁾				7.3	0.084	83	21	10	--
ESL for Commercial Land Use ⁽¹⁾				20	0.28	230	58	29	--
PRG for Ambient Air ⁽²⁾				0.037	0.00025	0.40	0.11	--	--

Notes:

µg/L = Micrograms per liter of air

TPH = Total petroleum hydrocarbons in C-5 to C-11 range (U.S. EPA Test Method 8260).

VOCs = Volatile organic compounds (U.S. EPA Test Method 8260). Only detected VOCs are listed.

All other VOCs not detected at or above their respective laboratory reporting limits.

cis-1,2-DCE = cis-1,2,-Dichloroethene.

Methane analyzed in the field using a GEM 500 Landfill Gas Meter.

<0.10 = Not detected at or above the indicated laboratory reporting limit

-- = Not applicable

(1) California Regional Water Quality Control Board, San Francisco Region Environmental Screening Level (ESL) for shallow soil gas (February 2004).

(2) U.S. EPA Region 9 Preliminary Remediation Goal (PRG) for ambient air (October 2004).

**Table 4. Summary of Analytical Results for Soil
Wolfman Property
6390 Christie Avenue
Emeryville, California**

Sample ID	Sample Depth (ft)	Sample Location	Date Collected	TPHd (mg/kg)	TPHmo (mg/kg)	TPHg (mg/kg)	VOCs (mg/kg)	PCBs (mg/kg)	Chromium (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Zinc (mg/kg)
SB-1-2	2	1	12/15/04	<50	560	<40	ND	--	--	--	--	--
SB-1-7	7	1	12/15/04	<13	140	<42	ND	--	--	--	--	--
SB-2-2	2	2	12/15/04	<5	40	<41	ND	--	--	--	--	--
SB-2-7	7	2	12/15/04	<2.5	47	3.0	ND	--	--	--	--	--
SB-3-2	2	3	12/15/04	<13	150	<42	ND	--	--	--	--	--
SB-3-7	7	3	12/15/04	<25	360	110	ND	--	--	--	--	--
6390 Shallow Comp	Composite	1,2,3	12/15/04	--	--	--	--	<0.1	--	--	--	--
(SB-1-2)(SB-1-7)Comp	Composite	1	12/15/04	--	--	--	--	--	49	65	47	160
(SB-2-2)(SB-2-7)Comp	Composite	2	12/15/04	--	--	--	--	--	21	<5	23	59
(SB-3-2)(SB-3-7)Comp	Composite	3	12/15/04	--	--	--	--	--	46	<5	55	27
ESL for Residential Land Use ⁽¹⁾				500	500	100	var	0.22	58 - total	200	150	600
ESL for Commercial Land Use ⁽¹⁾				500	1,000	400	var	0.74	58 - total	750	150	600
PRG for Residential Land Use ⁽²⁾				--	--	--	var	0.22	30 - Cr ⁶⁺	150	1,600	23,000
PRG for Commercial Land Use ⁽²⁾				--	--	--	var	0.74	64 - Cr ⁶⁺	800	20,000	100,000

Notes:

mg/kg = Milligrams per kilogram.

TPHd = Total petroleum hydrocarbons as diesel (U.S. EPA Test Method 8015M).

TPHmo = Total petroleum hydrocarbons as motor oil (U.S. EPA Test Method 8015M).

TPHg = Total petroleum hydrocarbons as gasoline (U.S. EPA Test Method 8260).

VOCs = Volatile organic compounds (U.S. EPA Test Method 8260).

PCBs = Poly-chlorinated biphenyls (U.S. EPA Test Method 8082).

LUFT metals (cadmium, chromium, lead, nickel, and zinc) analyzed using U.S. EPA Test Method 6010B. Only detected metals are listed.

<50 = Not detected at or above the indicated laboratory reporting limit

ND = No analytes detected at or above their respective laboratory reporting limits for the indicated analytical method.

-- = Not analyzed or not applicable

var = Varies for compounds in indicated analytical method

(1) California Regional Water Quality Control Board, San Francisco Region Environmental Screening Level (ESL) for soil where groundwater is not a potential drinking water resource (February 2004).

(2) U.S. EPA Region 9 Preliminary Remediation Goal (PRG) for soil (October 2004).

**Table 5. Summary of Analytical Results for Groundwater
Wolfman Property
6390 Christie Avenue
Emeryville, California**

Sample ID	Sample Depth (ft)	Sample Location	Date Collected	TPHd (µg/L)	TPHmo (µg/L)	TPHg (µg/L)	VOCs			
							Benzene (µg/L)	Toluene (µg/L)	Carbon Disulfide (µg/L)	Methyl t-Butyl Ether (µg/L)
GW-1-12	12	1	12/15/04	7,000	<1,300	<25	0.81	0.68	<0.5	<1
GW-2-8	8	2	12/15/04	<250	3,300	37	<0.5	<0.5	0.74	21
GW-3-8	8	3	12/15/04	<250	7,400	<25	<0.5	<0.5	<0.5	<1
ESL for groundwater ⁽¹⁾				640	640	500	46	130	--	1,800
ESL Ceiling level for groundwater ⁽²⁾				2,500	2,500	5,000	20,000	400	--	1,800
PRG for tap water ⁽³⁾				--	--	--	0.35	720	--	6.2

Notes:

µg/L = Micrograms per liter.

TPHd = Total petroleum hydrocarbons as diesel (U.S. EPA Test Method 8015M).

TPHmo = Total petroleum hydrocarbons as motor oil (U.S. EPA Test Method 8015M).

TPHg = Total petroleum hydrocarbons as gasoline (U.S. EPA Test Method 8260).

VOCs = Volatile organic compounds (U.S. EPA Test Method 8260). Only detected VOCs are listed.

All other VOCs not detected at or above their respective laboratory reporting limits.

<25 = Not detected at or above the indicated laboratory reporting limit.

-- = Not applicable.

(1) California Regional Water Quality Control Board, San Francisco Region Environmental Screening Level (ESL) for groundwater that is not a potential drinking water resource (February 2004).

(2) Table F-1b, RWQCB ESL (February 2004).

(3) U.S. EPA Region 9 Preliminary Remediation Goal (PRG) for tap water (October 2004).

**Table 6. Summary of Analytical Results for Soil Vapor
Wolfman Property
6390 Christie Avenue
Emeryville, California**

Sample ID	Sample Depth (ft)	Sample Location	Date Collected	VOCs (µg/L)	TPH (µg/L)	Methane (% Gas)
SG-1-2	2	SG-1	12/15/04	ND	6.8	--
SG-2-1	1	SG-2	12/15/04	ND	2.6	ND
SG-3-3	3	SG-3	12/15/04	ND	9.3	14
ESL for Residential Land Use ⁽¹⁾				var	10	--
ESL for Commercial Land Use ⁽¹⁾				var	29	--
PRG for Ambient Air ⁽²⁾				var	--	--

Notes:

µg/L = Micrograms per liter of air

TPH = Total petroleum hydrocarbons in C-5 to C-11 range (U.S. EPA Test Method 8260).

VOCs = Volatile organic compounds (U.S. EPA Test Method 8260).

Methane analyzed in the field using a GEM 500 Landfill Gas Meter.

ND = No analytes detected at or above their respective laboratory reporting limits for the indicated analytical method.

-- = Not applicable or not sampled

var = Varies for compounds in indicated analytical method

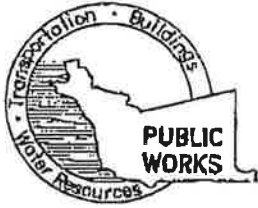
(1) California Regional Water Quality Control Board, San Francisco Region

Environmental Screening Level (ESL) for shallow soil gas (February 2004).

(2) U.S. EPA Region 9 Preliminary Remediation Goal (PRG) for ambient air (October 2004).

APPENDIX B

ACPWA DRILLING PERMIT



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA, 94544-1395
PHONE (510) 670-6633 James Yoo
FAX (510) 782-1939

APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS
DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 6340 and 6390 Christie Ave.,
Emeryville, CA 94608

PERMIT NUMBER W05-0050
WELL NUMBER _____
APN _____

Interior of buildings and exterior
parking area

CLIENT
Name TMG Partners
Address 100 Rush St. 27th Fl. Phone 510-652-1967
City San Francisco Zip 94104

APPLICANT
Name PES Environmental - contact: Peter Gorman
Address 1682 Novato Blvd. Phone 415-899-1601
City Novato Zip 94947

TYPE OF PROJECT

Well Construction Geotechnical Investigation
Cathodic Protection General Soil Groundwater
Water Supply Contamination
Monitoring Well Destruction

PROPOSED WATER SUPPLY WELL USE

New Domestic Replacement Domestic
Municipal Irrigation
Industrial Other _____

DRILLING METHOD:

Mud Rotary Air Rotary Auger
Cable Other

DRILLER'S NAME Precision Sampling

DRILLER'S LICENSE NO. 636387 (exp. 1/31/06)

WELL PROJECTS

Drill Hole Diameter _____ in. Maximum _____
Casing Diameter _____ in. Depth _____ ft.
Surface Seal Depth _____ ft. Owner's Well Number _____

GEOTECHNICAL PROJECTS

Number of Borings 16 Maximum
Hole Diameter 2 in. Depth 10 ft.

STARTING DATE 1/20/05

COMPLETION DATE 1/21/05

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE Peter D Gorman DATE 1/14/05

PLEASE PRINT NAME Peter Gorman Rev. 9-18-02

PERMIT CONDITIONS

Circled Permit Requirements Apply

A. GENERAL

1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Report.
3. Permit is void if project not begun within 90 days of approval date

B. WATER SUPPLY WELLS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

D. GEOTECHNICAL / Contamination

Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind, or with compacted cuttings.

E. CATHODIC

Fill hole anode zone with concrete placed by tremie.

F. WELL DESTRUCTION

Send a map of work site. A separate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

APPROVED _____ DATE 1-14-05

APPENDIX C

**LABORATORY ANALYTICAL REPORTS
FOR SOIL AND GROUNDWATER SAMPLES**

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

Pete Gorman
 PES Environmental, Inc.
 1682 Novato Boulevard, Suite 100
 Novato, CA 94947

Certificate ID: 41690 - 12/22/2004 4:42:46 PM

Order: 41690
 Project Name:
 Project Number: 241.062.02.002

Date Collected: 12/15/2004
 Date Received: 12/15/2004
 P.O. Number: 241.062.02.002

Certificate of Analysis - Final Report

On December 15, 2004, samples were received under chain of custody for analysis. Entech analyzes samples "as received" unless otherwise noted. The following results are included:

<u>Matrix</u>	<u>Test</u>	<u>Method</u>	<u>Comments</u>
Liquid	EPA 8260B TPH as Gasoline - GC/MS TPH-Extractable	EPA 8260B GC-MS EPA 8015 MOD. (Extractable)	
Solid	EPA 8082A EPA 8260B LUFT Metals TPH as Gasoline - GCMS TPH-Extractable	EPA 8082A EPA 8260B EPA 6010B GC-MS EPA 8015 MOD. (Extractable)	

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346).
 If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,



Laurie Glantz-Murphy
 Laboratory Director

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

PES Environmental, Inc.
1682 Novato Boulevard, Suite 100
Novato, CA 94947
Attn: Pete Gorman

Project Number: 241.062.02.002
Project Name:
Date Received: 12/15/2004
P.O. Number: 241.062.02.002
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41690-001

Sample ID: SB-4-2

Matrix: Solid Sample Date: 12/15/2004 12:00 PM

Method: EPA 8015 MOD. (Extractable) / EPA 3545 / Pressurized Fluid Extraction, MeCl

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		250	630	mg/Kg	12/16/2004	DS4480B	12/18/2004	DS4480B
TPH as Motor Oil	3600		250	2500	mg/Kg	12/16/2004	DS4480B	12/18/2004	DS4480B
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: Jhsiang	
o-Terphenyl	97.5		41 - 137					Reviewed by: LGLANTZ	

Detection Limit = Detection Limit for Reporting.

DF = Dilution and/or Prep Factor including sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

12/22/2004 4:42:50 PM - lglantz

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

PES Environmental, Inc.
1682 Novato Boulevard, Suite 100
Novato, CA 94947
Attn: Pete Gorman

Project Number: 241.062.02.002
Project Name:
Date Received: 12/15/2004
P.O. Number: 241.062.02.002
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41690-001 Sample ID: SB-4-2 Matrix: Solid Sample Date: 12/15/2004 12:00 PM

Method: EPA 8260B / EPA 5035A / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1,1-Trichloroethane	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1,2,2-Tetrachloroethane	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1,2-Trichloroethane	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1-Dichloroethane	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1-Dichloroethene	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1-Dichloropropene	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,3-Trichlorobenzene	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,3-Trichloropropane	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,4-Trichlorobenzene	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,4-Trimethylbenzene	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dibromo-3-Chloropropane	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dibromoothane (EDB)	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dichlorobenzene	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dichloroethane	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dichloropropane	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,3,5-Trimethylbenzene	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,3-Dichlorobenzene	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,3-Dichloropropane	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,4-Dichlorobenzene	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,4-Dioxane	ND		1.1	110	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2,2-Dichloropropane	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Butanone (MEK)	ND		1.1	43	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Chloroethyl-vinyl Ether	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Chlorotoluene	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Hexanone	ND		1.1	43	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
4-Chlorotoluene	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
4-Methyl-2-Pentanone(MIBK)	ND		1.1	43	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acetone	ND		1.1	110	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acetonitrile	ND		1.1	43	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acrolein	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acrylonitrile	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Benzene	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Benzyl Chloride	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromobenzene	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromochloromethane	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromodichloromethane	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromoform	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromomethane	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Carbon Disulfide	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Carbon Tetrachloride	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chlorobenzene	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chloroethane	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chloroform	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chloromethane	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

PES Environmental, Inc.
1682 Novato Boulevard, Suite 100
Novato, CA 94947
Attn: Pete Gorman

Project Number: 241.062.02.002
Project Name:
Date Received: 12/15/2004
P.O. Number: 241.062.02.002
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41690-001 Sample ID: SB-4-2

Matrix: Solid Sample Date: 12/15/2004 12:00 PM

Method: EPA 8260B / EPA 5035A / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
cis-1,3-Dichloropropene	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Cyclohexanone	ND		1.1	43	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Dibromochloromethane	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Dibromomethane	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Dichlorodifluoromethane	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Diisopropyl Ether	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Ethyl Benzene	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Freon 113	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Hexachlorobutadiene	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Iodomethane	ND		1.1	43	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Isopropanol	ND		1.1	110	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Isopropylbenzene	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Methyl-t-butyl Ether	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Methylene Chloride	ND		1.1	27	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
n-Butylbenzene	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
n-Propylbenzene	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Naphthalene	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
p-Isopropyltoluene	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Pentachloroethane	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
sec-Butylbenzene	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Styrene	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Amyl Methyl Ether	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Butanol (TBA)	ND		1.1	43	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Butyl Ethyl Ether	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Butylbenzene	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Tetrachloroethene	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Tetrahydrofuran	ND		1.1	43	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Toluene	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
trans-1,2-Dichloroethene	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
trans-1,3-Dichloropropene	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
trans-1,4-Dichloro-2-butene	ND		1.1	43	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Trichloroethene	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Trichlorofluoromethane	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Vinyl Chloride	ND		1.1	5.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Xylenes, Total	ND		1.1	11	µg/Kg	N/A	N/A	12/16/2004	SMS3041216

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	106	75 - 125
Dibromofluoromethane	99.5	75 - 125
Toluene-d8	114	75 - 125

Analyzed by: BELA
Reviewed by: MTUJ

Detection Limit = Detection Limit for Reporting.
DF = Dilution and/or Prep Factor including sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

12/22/2004 4:42:51 PM - lglantz

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Project Number: 241.062.02.002
 Project Name:
 Date Received: 12/15/2004
 P.O. Number: 241.062.02.002
 Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41690-001 Sample ID: SB-4-2 Matrix: Solid Sample Date: 12/15/2004 12:00 PM

Method: GC-MS

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.1	53	µg/KG	N/A	N/A	12/16/2004	SMS3041216
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: BELA	
4-Bromofluorobenzene	106		75	- 125				Reviewed by: MTU	
Dibromofluoromethane	99.5		75	- 125					
Toluene-d8	114		75	- 125					

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 DF = Dilution and/or Prep Factor including sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

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 Project Name:
 Date Received: 12/15/2004
 P.O. Number: 241.062.02.002
 Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41690-002 Sample ID: SB-4-7

Matrix: Solid Sample Date: 12/15/2004 12:05 PM

Method: EPA 8015 MOD. (Extractable) / EPA 3545 / Pressurized Fluid Extraction, MeCl

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1	2.5	mg/Kg	12/16/2004	DS4480B	12/18/2004	DS4480B
TPH as Motor Oil	22		1	10	mg/Kg	12/16/2004	DS4480B	12/18/2004	DS4480B
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: Jhsiang	
o-Terphenyl	86.5		41 - 137					Reviewed by: LGLANTZ	

Detection Limit = Detection Limit for Reporting.

DF = Dilution and/or Prep Factor including sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

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Date Received: 12/15/2004
P.O. Number: 241.062.02.002
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41690-002 Sample ID: SB-4-7

Matrix: Solid Sample Date: 12/15/2004 12:05 PM

Method: EPA 8260B / EPA 5035A / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1,1-Trichloroethane	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1,2,2-Tetrachloroethane	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1,2-Trichloroethane	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1-Dichloroethane	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1-Dichloroethene	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1-Dichloropropene	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,3-Trichlorobenzene	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,3-Trichloropropane	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,4-Trichlorobenzene	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,4-Trimethylbenzene	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dibromo-3-Chloropropane	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dibromoethane (EDB)	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dichlorobenzene	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dichloroethane	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dichloropropane	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,3,5-Trimethylbenzene	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,3-Dichlorobenzene	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,3-Dichloropropane	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,4-Dichlorobenzene	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,4-Dioxane	ND		1.1	110	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2,2-Dichloropropane	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Butanone (MEK)	ND		1.1	43	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Chloroethyl-vinyl Ether	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Chlorotoluene	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Hexanone	ND		1.1	43	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
4-Chlorotoluene	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
4-Methyl-2-Pentanone(MIBK)	ND		1.1	43	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acetone	ND		1.1	110	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acetonitrile	ND		1.1	43	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acrolein	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acrylonitrile	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Benzene	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Benzyl Chloride	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromobenzene	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromochloromethane	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromodichloromethane	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromoform	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromomethane	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Carbon Disulfide	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Carbon Tetrachloride	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chlorobenzene	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chloroethane	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chloroform	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chloromethane	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216

Detection Limit = Detection Limit for Reporting.

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ND = Not Detected at or above the Detection Limit.

12/22/2004 4:42:52 PM - lglantz

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Project Number: 241.062.02.002
 Project Name:
 Date Received: 12/15/2004
 P.O. Number: 241.062.02.002
 Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41690-002 Sample ID: SB-4-7

Matrix: Solid Sample Date: 12/15/2004 12:05 PM

Method: EPA 8260B / EPA 5035A / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
cis-1,3-Dichloropropene	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Cyclohexanone	ND		1.1	43	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Dibromochloromethane	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Dibromomethane	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Dichlorodifluoromethane	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Diisopropyl Ether	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Ethyl Benzene	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Freon 113	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Hexachlorobutadiene	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Iodomethane	ND		1.1	43	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Isopropanol	ND		1.1	110	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Isopropylbenzene	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Methyl-t-butyl Ether	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Methylene Chloride	ND		1.1	27	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
n-Butylbenzene	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
n-Propylbenzene	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Naphthalene	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
p-Isopropyltoluene	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Pentachloroethane	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
sec-Butylbenzene	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Styrene	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Amyl Methyl Ether	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Butanol (TBA)	ND		1.1	43	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Butyl Ethyl Ether	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Butylbenzene	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Tetrachloroethene	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Tetrahydrofuran	ND		1.1	43	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Toluene	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
trans-1,2-Dichloroethene	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
trans-1,3-Dichloropropene	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
trans-1,4-Dichloro-2-butene	ND		1.1	43	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Trichloroethene	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Trichlorofluoromethane	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Vinyl Chloride	ND		1.1	5.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Xylenes, Total	ND		1.1	11	µg/Kg	N/A	N/A	12/16/2004	SMS3041216

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	102	75 - 125
Dibromofluoromethane	105	75 - 125
Toluene-d8	107	75 - 125

Analyzed by: BELA
 Reviewed by: MTU

Detection Limit = Detection Limit for Reporting.
 DF = Dilution and/or Prep Factor including sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

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Project Number: 241.062.02.002
 Project Name:
 Date Received: 12/15/2004
 P.O. Number: 241.062.02.002
 Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41690-002 Sample ID: SB-4-7

Matrix: Solid Sample Date: 12/15/2004 12:05 PM

Method: GC-MS

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.1	54	µg/KG	N/A	N/A	12/16/2004	SMS3041216
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: BELA	
4-Bromofluorobenzene	102		75 - 125					Reviewed by: MTU	
Dibromofluoromethane	105		75 - 125						
Toluene-d8	107		75 - 125						

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

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 Project Name:
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 P.O. Number: 241.062.02.002
 Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41690-003 Sample ID: SB-5-2

Matrix: Solid Sample Date: 12/15/2004 1:40 PM

Method: EPA 8015 MOD, (Extractable) / EPA 3545 / Pressurized Fluid Extraction, MeCl

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1	2.5	mg/Kg	12/17/2004	DS4481A	12/18/2004	DS4481A
TPH as Motor Oil	ND		1	10	mg/Kg	12/17/2004	DS4481A	12/18/2004	DS4481A
Surrogate	Surrogate Recovery	Control Limits (%)		Analyzed by: Jhsiang					
o-Terphenyl	88.0	41 - 137		Reviewed by: LGLANTZ					

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

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Project Name:
Date Received: 12/15/2004
P.O. Number: 241.062.02.002
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41690-003 Sample ID: SB-5-2

Matrix: Solid Sample Date: 12/15/2004 1:40 PM

Method: EPA 8260B / EPA 5035A / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1,1-Trichloroethane	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1,2,2-Tetrachloroethane	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1,2-Trichloroethane	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1-Dichloroethane	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1-Dichloroethene	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1-Dichloropropene	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,3-Trichlorobenzene	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,3-Trichloropropane	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,4-Trichlorobenzene	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,4-Trimethylbenzene	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dibromo-3-Chloropropane	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dibromoethane (EDB)	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dichlorobenzene	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dichloroethane	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dichloropropane	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,3,5-Trimethylbenzene	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,3-Dichlorobenzene	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,3-Dichloropropane	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,4-Dichlorobenzene	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,4-Dioxane	ND		0.79	79	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2,2-Dichloropropane	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Butanone (MEK)	ND		0.79	32	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Chloroethyl-vinyl Ether	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Chlorotoluene	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Hexanone	ND		0.79	32	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
4-Chlorotoluene	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
4-Methyl-2-Pentanone(MIBK)	ND		0.79	32	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acetone	ND		0.79	79	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acetonitrile	ND		0.79	32	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acrolein	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acrylonitrile	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Benzene	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Benzyl Chloride	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromobenzene	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromochloromethane	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromodichloromethane	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromoform	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromomethane	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Carbon Disulfide	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Carbon Tetrachloride	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chlorobenzene	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chloroethane	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chloroform	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chloromethane	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216

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ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

Entech Analytical Labs, Inc.

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PES Environmental, Inc.
1682 Novato Boulevard, Suite 100
Novato, CA 94947
Attn: Pete Gorman

Project Number: 241.062.02.002
Project Name:
Date Received: 12/15/2004
P.O. Number: 241.062.02.002
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41690-003 Sample ID: SB-5-2

Matrix: Solid Sample Date: 12/15/2004 1:40 PM

Method: EPA 8260B / EPA 5035A / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
cis-1,3-Dichloropropene	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Cyclohexanone	ND		0.79	32	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Dibromochloromethane	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Dibromomethane	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Dichlorodifluoromethane	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Diisopropyl Ether	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Ethyl Benzene	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Freon 113	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Hexachlorobutadiene	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Iodomethane	ND		0.79	32	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Isopropanol	ND		0.79	79	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Isopropylbenzene	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Methyl- <i>t</i> -butyl Ether	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Methylene Chloride	ND		0.79	20	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
<i>n</i> -Butylbenzene	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
<i>n</i> -Propylbenzene	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Naphthalene	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
<i>p</i> -Isopropyltoluene	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Pentachloroethane	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
<i>sec</i> -Butylbenzene	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Styrene	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
<i>tert</i> -Amyl Methyl Ether	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
<i>tert</i> -Butanol (TBA)	ND		0.79	32	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
<i>tert</i> -Butyl Ethyl Ether	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
<i>tert</i> -Butylbenzene	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Tetrachloroethene	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Tetrahydrofuran	ND		0.79	32	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Toluene	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
<i>trans</i> -1,2-Dichloroethene	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
<i>trans</i> -1,3-Dichloropropene	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
<i>trans</i> -1,4-Dichloro-2-butene	ND		0.79	32	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Trichloroethene	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Trichlorofluoromethane	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Vinyl Chloride	ND		0.79	3.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Xylenes, Total	ND		0.79	7.9	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: BELA	
4-Bromofluorobenzene	103		75 - 125					Reviewed by: MTU	
Dibromofluoromethane	102		75 - 125						
Toluene-d8	113		75 - 125						

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ND = Not Detected at or above the Detection Limit.

12/22/2004 4:42:56 PM - lglantz

Entech Analytical Labs, Inc.

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PES Environmental, Inc.
 1682 Novato Boulevard, Suite 100
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 Attn: Pete Gorman

Project Number: 241.062.02.002
 Project Name:
 Date Received: 12/15/2004
 P.O. Number: 241.062.02.002
 Sampled By: Client

Certificate of Analysis - Data Report

Lab # : 41690-003 Sample ID: SB-5-2 Matrix: Solid Sample Date: 12/15/2004 1:40 PM

Method: GC-MS

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		0.79	39	µg/KG	N/A	N/A	12/16/2004	SMS3041216
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: BELA	
4-Bromofluorobenzene	103		75	- 125				Reviewed by: MTU	
Dibromofluoromethane	102		75	- 125					
Toluene-d8	113		75	- 125					

Detection Limit * Detection Limit for Reporting.

DF = Dilution and/or Prep Factor including sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

12/22/2004 4:42:57 PM - Iglantz

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 Attn: Pete Gorman

Project Number: 241.062.02.002
 Project Name:
 Date Received: 12/15/2004
 P.O. Number: 241.062.02.002
 Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41690-004

Sample ID: SB-5-7

Matrix: Solid

Sample Date: 12/15/2004 1:45 PM

Method: EPA 8015 MOD. (Extractable) / EPA 3545 / Pressurized Fluid Extraction, MeCl

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1	2.5	mg/Kg	12/17/2004	DS4481A	12/20/2004	DS4481A
TPH as Motor Oil	ND		1	10	mg/Kg	12/17/2004	DS4481A	12/20/2004	DS4481A
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: Jlsiang	
o-Terphenyl	84.4		41 - 137					Reviewed by: LGLANTZ	

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

12/22/2004 4:42:57 PM • lgiantz

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Attn: Pete Gorman

Project Number: 241.062.02.002
Project Name:
Date Received: 12/15/2004
P.O. Number: 241.062.02.002
Sampled By: Client

Certificate of Analysis - Data Report**Lab # : 41690-004 Sample ID: SB-5-7****Matrix: Solid Sample Date: 12/15/2004 1:45 PM****Method: EPA 8260B / EPA 5035A / Purge & Trap**

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1,1-Trichloroethane	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1,2,2-Tetrachloroethane	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1,2-Trichloroethane	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1-Dichloroethane	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1-Dichloroethene	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1-Dichloropropene	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,3-Trichlorobenzene	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,3-Trichloropropane	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,4-Trichlorobenzene	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,4-Trimethylbenzene	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dibromo-3-Chloropropane	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dibromoethane (EDB)	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dichlorobenzene	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dichloroethane	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dichloropropane	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,3,5-Trimethylbenzene	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,3-Dichlorobenzene	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,3-Dichloropropane	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,4-Dichlorobenzene	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,4-Dioxane	ND		0.83	83	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2,2-Dichloropropane	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Butanone (MEK)	ND		0.83	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Chloroethyl-vinyl Ether	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Chlorotoluene	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Hexanone	ND		0.83	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
4-Chlorotoluene	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
4-Methyl-2-Pentanone(MIBK)	ND		0.83	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acetone	ND		0.83	83	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acetonitrile	ND		0.83	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acrolein	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acrylonitrile	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Benzene	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Benzyl Chloride	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromobenzene	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromochloromethane	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromodichloromethane	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromoform	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromomethane	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Carbon Disulfide	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Carbon Tetrachloride	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chlorobenzene	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chloroethane	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chloroform	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chloromethane	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216

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PES Environmental, Inc.
1682 Novato Boulevard, Suite 100
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Attn: Pete Gorman

Project Number: 241.062.02.002
Project Name:
Date Received: 12/15/2004
P.O. Number: 241.062.02.002
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41690-004 Sample ID: SB-5-7

Matrix: Solid Sample Date: 12/15/2004 1:45 PM

Method: EPA 8260B / EPA 5035A / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
cis-1,3-Dichloropropene	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Cyclohexanone	ND		0.83	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Dibromochloromethane	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Dibromomethane	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Dichlorodifluoromethane	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Diisopropyl Ether	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Ethyl Benzene	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Freon 113	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Hexachlorobutadiene	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Iodomethane	ND		0.83	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Isopropanol	ND		0.83	83	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Isopropylbenzene	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Methyl-t-butyl Ether	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Methylene Chloride	ND		0.83	21	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
n-Butylbenzene	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
n-Propylbenzene	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Naphthalene	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
p-Isopropyltoluene	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Pentachloroethane	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
sec-Butylbenzene	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Styrene	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Amyl Methyl Ether	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Butanol (TBA)	ND		0.83	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Butyl Ethyl Ether	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Butylbenzene	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Tetrachloroethene	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Tetrahydrofuran	ND		0.83	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Toluene	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
trans-1,2-Dichloroethene	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
trans-1,3-Dichloropropene	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
trans-1,4-Dichloro-2-butene	ND		0.83	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Trichloroethene	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Trichlorofluoromethane	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Vinyl Chloride	ND		0.83	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Xylenes, Total	ND		0.83	8.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	98.6	75 - 125
Dibromofluoromethane	97.3	75 - 125
Toluene-d8	107	75 - 125

Analyzed by: BELA

Reviewed by: MTU

Detection Limit = Detection Limit for Reporting.

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12/22/2004 4:42:58 PM • Iglantz

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3334 Victor Court , Santa Clara, CA 95054

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Fax: (408) 588-0201

PES Environmental, Inc.
 1682 Novato Boulevard, Suite 100
 Novato, CA 94947
 Attn: Pete Gorman

Project Number: 241.062.02.002
 Project Name:
 Date Received: 12/15/2004
 P.O. Number: 241.062.02.002
 Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41690-004

Sample ID: SB-5-7

Matrix: Solid

Sample Date: 12/15/2004 1:45 PM

Method: GC-MS

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		0.83	41	µg/KG	N/A	N/A	12/16/2004	SMS3041216

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	98.6	75 - 125
Dibromofluoromethane	97.3	75 - 125
Toluene-d8	107	75 - 125

Analyzed by: BELA

Reviewed by: MTU

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 Attn: Pete Gorman

Project Number: 241.062.02.002
 Project Name:
 Date Received: 12/15/2004
 P.O. Number: 241.062.02.002
 Sampled By: Client

Certificate of Analysis - Data Report**Lab # : 41690-005 Sample ID: SB-6-2****Matrix: Solid Sample Date: 12/15/2004 2:10 PM****Method: EPA 8015 MOD. (Extractable) / EPA 3545 / Pressurized Fluid Extraction, MeCl**

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1	2.5	mg/Kg	12/17/2004	DS4481A	12/22/2004	DS4481A
TPH as Motor Oil	13		1	10	mg/Kg	12/17/2004	DS4481A	12/22/2004	DS4481A
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: Jhsiang	
o-Terphenyl	90.8		41 - 137					Reviewed by: LGLANTZ	

Detection Limit = Detection Limit for Reporting.

DF = Dilution and/or Prep Factor including sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

12/22/2004 4:42:59 PM - lglantz

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Project Number: 241.062.02.002
Project Name:
Date Received: 12/15/2004
P.O. Number: 241.062.02.002
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41690-005 Sample ID: SB-6-2

Matrix: Solid Sample Date: 12/15/2004 2:10 PM

Method: EPA 8260B / EPA 5035A / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1,1-Trichloroethane	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1,2,2-Tetrachloroethane	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1,2-Trichloroethane	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1-Dichloroethane	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1-Dichloroethene	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1-Dichloropropene	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,3-Trichlorobenzene	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,3-Trichloropropane	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,4-Trichlorobenzene	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,4-Trimethylbenzene	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dibromo-3-Chloropropane	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dibromoethane (EDB)	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dichlorobenzene	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dichloroethane	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dichloropropane	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,3,5-Trimethylbenzene	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,3-Dichlorobenzene	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,3-Dichloropropane	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,4-Dichlorobenzene	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,4-Dioxane	ND		0.84	84	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2,2-Dichloropropane	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Butanone (MEK)	ND		0.84	34	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Chloroethyl-vinyl Ether	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Chlorotoluene	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Hexanone	ND		0.84	34	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
4-Chlorotoluene	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
4-Methyl-2-Pentanone(MIBK)	ND		0.84	34	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acetone	ND		0.84	84	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acetonitrile	ND		0.84	34	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acrolein	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acrylonitrile	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Benzene	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Benzyl Chloride	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromobenzene	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromochloromethane	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromodichloromethane	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromoform	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromomethane	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Carbon Disulfide	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Carbon Tetrachloride	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chlorobenzene	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chloroethane	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chloroform	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chloromethane	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216

Detection Limit = Detection Limit for Reporting.

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Project Name:
Date Received: 12/15/2004
P.O. Number: 241.062.02.002
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41690-005 Sample ID: SB-6-2

Matrix: Solid Sample Date: 12/15/2004 2:10 PM

Method: EPA 8260B / EPA 5035A / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
cis-1,3-Dichloropropene	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Cyclohexanone	ND		0.84	34	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Dibromochloromethane	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Dibromomethane	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Dichlorodifluoromethane	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Diisopropyl Ether	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Ethyl Benzene	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Freon 113	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Hexachlorobutadiene	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Iodomethane	ND		0.84	34	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Isopropanol	ND		0.84	84	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Isopropylbenzene	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Methyl-t-butyl Ether	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Methylene Chloride	ND		0.84	21	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
n-Butylbenzene	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
n-Propylbenzene	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Naphthalene	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
p-Isopropyltoluene	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Pentachloroethane	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
sec-Butylbenzene	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Styrene	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Amyl Methyl Ether	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Butanol (TBA)	ND		0.84	34	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Butyl Ethyl Ether	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Butylbenzene	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Tetrachloroethene	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Tetrahydrofuran	ND		0.84	34	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Toluene	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
trans-1,2-Dichloroethene	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
trans-1,3-Dichloropropene	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
trans-1,4-Dichloro-2-butene	ND		0.84	34	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Trichloroethene	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Trichlorofluoromethane	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Vinyl Chloride	ND		0.84	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Xylenes, Total	ND		0.84	8.4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	107	75 - 125
Dibromofluoromethane	105	75 - 125
Toluene-d8	114	75 - 125

Analyzed by: BELA

Reviewed by: MTU

Detection Limit = Detection Limit for Reporting.

DF = Dilution and/or Prep Factor including sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

12/22/2004 4:43:01 PM - Jglantz

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PES Environmental, Inc.
 1682 Novato Boulevard, Suite 100
 Novato, CA 94947
 Attn: Pete Gorman

Project Number: 241.062.02.002
 Project Name:
 Date Received: 12/15/2004
 P.O. Number: 241.062.02.002
 Sampled By: Client

Certificate of Analysis - Data Report**Lab # : 41690-005 Sample ID: SB-6-2****Matrix: Solid Sample Date: 12/15/2004 2:10 PM**

Method: GC-MS

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		0.84	42	µg/KG	N/A	N/A	12/16/2004	SMS3041216
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: BELA	
4-Bromofluorobenzene	107		75	- 125				Reviewed by: MTU	
Dibromofluoromethane	105		75	- 125					
Toluene-d8	114		75	- 125					

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

12/22/2004 4:43:01 PM - 12/22/04

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Project Number: 241.062.02.002
 Project Name:
 Date Received: 12/15/2004
 P.O. Number: 241.062.02.002
 Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41690-006 Sample ID: SB-6-7

Matrix: Solid Sample Date: 12/15/2004 2:15 PM

Method: EPA 8015 MOD. (Extractable) / EPA 3545 / Pressurized Fluid Extraction, MeCl

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		100	250	mg/Kg	12/17/2004	DS4481A	12/20/2004	DS4481A
TPH as Motor Oil	2600		100	1000	mg/Kg	12/17/2004	DS4481A	12/20/2004	DS4481A

Note: C16-C38.

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	105	41 - 137

Analyzed by: Jhsiang

Reviewed by: LGLANTZ

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Project Number: 241.062.02.002
Project Name:
Date Received: 12/15/2004
P.O. Number: 241.062.02.002
Sampled By: Client

Certificate of Analysis - Data Report**Lab #: 41690-006 Sample ID: SB-6-7****Matrix: Solid Sample Date: 12/15/2004 2:15 PM****Method: EPA 8260B / EPA 5035A / Purge & Trap**

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1,1-Trichloroethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1,2,2-Tetrachloroethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1,2-Trichloroethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1-Dichloroethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1-Dichloroethene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1-Dichloropropene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,3-Trichlorobenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,3-Trichloropropane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,4-Trichlorobenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,4-Trimethylbenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dibromo-3-Chloropropane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dibromoethane (EDB)	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dichlorobenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dichloroethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dichloropropane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,3,5-Trimethylbenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,3-Dichlorobenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,3-Dichloropropane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,4-Dichlorobenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,4-Dioxane	ND		0.83	83	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2,2-Dichloropropane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Butanone (MEK)	ND		0.83	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Chloroethyl-vinyl Ether	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Chlorotoluene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Hexanone	ND		0.83	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
4-Chlorotoluene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
4-Methyl-2-Pentanone(MIBK)	ND		0.83	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acetone	ND		0.83	83	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acetonitrile	ND		0.83	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acrolein	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acrylonitrile	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Benzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Benzyl Chloride	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromobenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromochloromethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromodichloromethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromoform	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromomethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Carbon Disulfide	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Carbon Tetrachloride	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chlorobenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chloroethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chloroform	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chloromethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216

Detection Limit = Detection Limit for Reporting.

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DF = Dilution and/or Prep Factor including sample volume adjustments.

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Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41690-006 Sample ID: SB-6-7

Matrix: Solid Sample Date: 12/15/2004 2:15 PM

Method: EPA 8260B / EPA 5035A / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
cis-1,3-Dichloropropene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Cyclohexanone	ND		0.83	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Dibromochloromethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Dibromomethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Dichlorodifluoromethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Diisopropyl Ether	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Ethyl Benzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Freon 113	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Hexachlorobutadiene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Iodomethane	ND		0.83	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Isopropanol	ND		0.83	83	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Isopropylbenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Methyl-t-butyl Ether	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Methylene Chloride	ND		0.83	21	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
n-Butylbenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
n-Propylbenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Naphthalene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
p-Isopropyltoluene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Pentachloroethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
sec-Butylbenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Styrene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Amyl Methyl Ether	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Butanol (TBA)	ND		0.83	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Butyl Ethyl Ether	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Butylbenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Tetrachloroethene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Tetrahydrofuran	ND		0.83	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Toluene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
trans-1,2-Dichloroethene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
trans-1,3-Dichloropropene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
trans-1,4-Dichloro-2-butene	ND		0.83	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Trichloroethene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Trichlorofluoromethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Vinyl Chloride	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Xylenes, Total	ND		0.83	8.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	118	75 - 125
Dibromofluoromethane	102	75 - 125
Toluene-d8	110	75 - 125

Analyzed by: BELA

Reviewed by: MTU

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

12/22/2004 4:43:03 PM - lqiantz

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

PES Environmental, Inc.
 1682 Novato Boulevard, Suite 100
 Novato, CA 94947
 Attn: Pete Gorman

Project Number: 241.062.02.002
 Project Name:
 Date Received: 12/15/2004
 P.O. Number: 241.062.02.002
 Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41690-006

Sample ID: SB-6-7

Matrix: Solid Sample Date: 12/15/2004 2:15 PM

Method: GC-MS

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	77		0.83	42	µg/KG	N/A	N/A	12/16/2004	SMS3041216
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: BELA	
4-Bromofluorobenzene	118		75 - 125					Reviewed by: MTU	
Dibromofluoromethane	102		75 - 125						
Toluene-d8	110		75 - 125						

Detection Limit = Detection Limit for Reporting.

DF = Dilution and/or Prep Factor including sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

12/22/2004 4:43:04 PM • lglantz

Entech Analytical Labs, Inc.**3334 Victor Court , Santa Clara, CA 95054****Phone: (408) 588-0200****Fax: (408) 588-0201**

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Project Number: 241.062.02.002

Project Name:

Date Received: 12/15/2004

P.O. Number: 241.062.02.002

Sampled By: Client

Certificate of Analysis - Data Report

Lab # : 41690-007 Sample ID: 6340 Shallow Comp Matrix: Solid Sample Date: 12/15/2004 2:20 PM

Method: EPA 8082A

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Aroclor 1221	ND		1	0.1	mg/Kg	12/15/2004	PS7422A	12/16/2004	PS7422A
Aroclor 1232	ND		1	0.1	mg/Kg	12/15/2004	PS7422A	12/16/2004	PS7422A
Aroclor 1242	ND		1	0.1	mg/Kg	12/15/2004	PS7422A	12/16/2004	PS7422A
Aroclor 1248	ND		1	0.1	mg/Kg	12/15/2004	PS7422A	12/16/2004	PS7422A
Aroclor 1254	ND		1	0.1	mg/Kg	12/15/2004	PS7422A	12/16/2004	PS7422A
Aroclor 1260	ND		1	0.1	mg/Kg	12/15/2004	PS7422A	12/16/2004	PS7422A
Aroclor 1262	ND		1	0.1	mg/Kg	12/15/2004	PS7422A	12/16/2004	PS7422A
Aroclor 1268	ND		1	0.1	mg/Kg	12/15/2004	PS7422A	12/16/2004	PS7422A

Surrogate	Surrogate Recovery	Control Limits (%)
Decachlorobiphenyl	84.7	43 - 156

Analyzed by: MTran

Reviewed by: MTU

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Project Number: 241.062.02.002
 Project Name:
 Date Received: 12/15/2004
 P.O. Number: 241.062.02.002
 Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41690-008 Sample ID: GW-4-11 Matrix: Liquid Sample Date: 12/15/2004 12:15 PM

Method: EPA 8015 MOD. (Extractable) / EPA 3510C / Liq-Liq, Sep Funnel, MeCl

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	22000		40	2000	µg/L	12/17/2004	DW4835A	12/20/2004	DW4835A
Note: C12-C34.									
TPH as Motor Oil	ND		40	10000	µg/L	12/17/2004	DW4835A	12/20/2004	DW4835A
Surrogate	Surrogate Recovery	Control Limits (%)							
o-Terphenyl	105	22 - 133		?!					
								Analyzed by: Jhsiang	
								Reviewed by: LGLANTZ	

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

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Project Number: 241.062.02.002
Project Name:
Date Received: 12/15/2004
P.O. Number: 241.062.02.002
Sampled By: Client

Certificate of Analysis - Data Report**Lab #: 41690-008****Sample ID: GW-4-11****Matrix: Liquid Sample Date: 12/15/2004 12:15 PM****Method: EPA 8260B / EPA 5030B / Purge & Trap**

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,1,1-Trichloroethane	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,1,2,2-Tetrachloroethane	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,1,2-Trichloroethane	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,1-Dichloroethane	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,1-Dichloroethene	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,1-Dichloropropene	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2,3-Trichlorobenzene	ND		10	50	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2,3-Trichloropropane	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2,4-Trichlorobenzene	ND		10	50	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2,4-Trimethylbenzene	ND		10	50	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2-Dibromo-3-Chloropropane	ND		10	50	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2-Dibromochane (EDB)	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2-Dichlorobenzene	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2-Dichloroethane	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2-Dichloropropane	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,3,5-Trimethylbenzene	ND		10	50	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,3-Dichlorobenzene	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,3-Dichloropropane	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,4-Dichlorobenzene	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,4-Dioxane	ND		10	500	µg/L	N/A	N/A	12/17/2004	WMS1041217
2,2-Dichloropropane	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
2-Butanone (MEK)	ND		10	200	µg/L	N/A	N/A	12/17/2004	WMS1041217
2-Chloroethyl-vinyl Ether	ND		10	50	µg/L	N/A	N/A	12/17/2004	WMS1041217
2-Chlorotoluene	ND		10	50	µg/L	N/A	N/A	12/17/2004	WMS1041217
2-Hexanone	ND		10	200	µg/L	N/A	N/A	12/17/2004	WMS1041217
4-Chlorotoluene	ND		10	50	µg/L	N/A	N/A	12/17/2004	WMS1041217
4-Methyl-2-Pentanone(MIBK)	ND		10	200	µg/L	N/A	N/A	12/17/2004	WMS1041217
Acetone	ND		10	200	µg/L	N/A	N/A	12/17/2004	WMS1041217
Acetonitrile	ND		10	50	µg/L	N/A	N/A	12/17/2004	WMS1041217
Acrolein	ND		10	50	µg/L	N/A	N/A	12/17/2004	WMS1041217
Acrylonitrile	ND		10	50	µg/L	N/A	N/A	12/17/2004	WMS1041217
Benzene	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Benzyl Chloride	ND		10	50	µg/L	N/A	N/A	12/17/2004	WMS1041217
Bromobenzene	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Bromochloromethane	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Bromodichloromethane	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Bromoform	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Bromomethane	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Carbon Disulfide	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Carbon Tetrachloride	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Chlorobenzene	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Chloroethane	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Chloroform	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Chloromethane	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217

Detection Limit = Detection Limit for Reporting.

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12/22/2004 4:43:05 PM - Iglantz

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PES Environmental, Inc.
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Project Number: 241.062.02.002
Project Name:
Date Received: 12/15/2004
P.O. Number: 241.062.02.002
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41690-008 Sample ID: GW-4-11

Matrix: Liquid Sample Date: 12/15/2004 12:15 PM

Method: EPA 8260B / EPA 5030E / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
cis-1,3-Dichloropropene	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Cyclohexanone	ND		10	200	µg/L	N/A	N/A	12/17/2004	WMS1041217
Dibromochloromethane	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Dibromomethane	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Dichlorodifluoromethane	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Diisopropyl Ether	ND		10	50	µg/L	N/A	N/A	12/17/2004	WMS1041217
Ethyl Benzene	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Freon 113	ND		10	10	µg/L	N/A	N/A	12/17/2004	WMS1041217
Hexachlorobutadiene	ND		10	50	µg/L	N/A	N/A	12/17/2004	WMS1041217
Iodomethane	ND		10	10	µg/L	N/A	N/A	12/17/2004	WMS1041217
Isopropanol	ND		10	200	µg/L	N/A	N/A	12/17/2004	WMS1041217
Isopropylbenzene	ND		10	10	µg/L	N/A	N/A	12/17/2004	WMS1041217
Methyl-t-butyl Ether	ND		10	10	µg/L	N/A	N/A	12/17/2004	WMS1041217
Methylene Chloride	ND		10	200	µg/L	N/A	N/A	12/17/2004	WMS1041217
n-Butylbenzene	ND		10	50	µg/L	N/A	N/A	12/17/2004	WMS1041217
n-Propylbenzene	ND		10	50	µg/L	N/A	N/A	12/17/2004	WMS1041217
Naphthalene	ND		10	50	µg/L	N/A	N/A	12/17/2004	WMS1041217
p-Isopropyltoluene	ND		10	50	µg/L	N/A	N/A	12/17/2004	WMS1041217
Pentachloroethane	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
sec-Butylbenzene	ND		10	50	µg/L	N/A	N/A	12/17/2004	WMS1041217
Styrene	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
tert-Amyl Methyl Ether	ND		10	50	µg/L	N/A	N/A	12/17/2004	WMS1041217
tert-Butanol (TBA)	ND		10	100	µg/L	N/A	N/A	12/17/2004	WMS1041217
tert-Butyl Ethyl Ether	ND		10	50	µg/L	N/A	N/A	12/17/2004	WMS1041217
tert-Butylbenzene	ND		10	50	µg/L	N/A	N/A	12/17/2004	WMS1041217
Tetrachloroethene	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Tetrahydrofuran	ND		10	200	µg/L	N/A	N/A	12/17/2004	WMS1041217
Toluene	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
trans-1,2-Dichloroethene	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
trans-1,3-Dichloropropene	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
trans-1,4-Dichloro-2-butene	ND		10	10	µg/L	N/A	N/A	12/17/2004	WMS1041217
Trichloroethene	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Trichlorofluoromethane	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Vinyl Acetate	ND		10	50	µg/L	N/A	N/A	12/17/2004	WMS1041217
Vinyl Chloride	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Xylenes, Total	ND		10	5	µg/L	N/A	N/A	12/17/2004	WMS1041217

Note: Sample diluted due to nature of sample (foamy).

Surrogate	Surrogate Recovery	Control Limits (%)	Analyzed by: XB
4-Bromofluorobenzene	87.6	75 - 125	Reviewed by: BDHABALIA
Dibromofluoromethane	90.1	75 - 125	
Toluene-d8	94.0	75 - 125	

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

12/22/2004 4:43:06 PM • jglantz

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

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PES Environmental, Inc.
 1682 Novato Boulevard, Suite 100
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Project Number: 241.062.02.002
 Project Name:
 Date Received: 12/15/2004
 P.O. Number: 241.062.02.002
 Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41690-008

Sample ID: GW-4-11

Matrix: Liquid Sample Date: 12/15/2004 12:15 PM

Method: GC-MS

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		10	250	µg/L	N/A	N/A	12/17/2004	WMS1041217
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: XBian	
4-Bromofluorobenzene	96.1		75	- 125				Reviewed by: BDHABALJA	
Dibromofluoromethane	89.3		75	- 125					
Toluene-d8	95.3		75	- 125					

Detection Limit = Detection Limit for Reporting.

DF = Dilution and/or Prep Factor including sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

12/22/2004 4:43:06 PM - lgiantz

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Project Number: 241.062.02.002
 Project Name:
 Date Received: 12/15/2004
 P.O. Number: 241.062.02.002
 Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41690-009 Sample ID: GW-5-12

Matrix: Liquid Sample Date: 12/15/2004 1:50 PM

Method: EPA 8015 MOD. (Extractable) / EPA 3510C / Liq-Liq, Sep Funnel, MeCl

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diescl	9700		20	1000	µg/L	12/17/2004	DW4835A	12/20/2004	DW4835A
Note: C12-C34.									
TPH as Motor Oil	ND		20	5000	µg/L	12/17/2004	DW4835A	12/20/2004	DW4835A
Surrogate	Surrogate Recovery	Control Limits (%)		Analyzed by: Jhsiang					
o-Terphenyl	103	22 - 133		Reviewed by: LGLANTZ					

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

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Project Name:
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P.O. Number: 241.062.02.002
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41690-009 Sample ID: GW-5-12

Matrix: Liquid Sample Date: 12/15/2004 1:50 PM

Method: EPA 8260B / EPA 5030B / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,1,1-Trichloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,1,2,2-Tetrachloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,1,2-Trichloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,1-Dichloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,1-Dichloroethene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,1-Dichloropropene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2,3-Trichlorobenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2,3-Trichloropropane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2,4-Trichlorobenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2,4-Trimethylbenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2-Dibromo-3-Chloropropane	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2-Dibromoethane (EDB)	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2-Dichlorobenzene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2-Dichloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2-Dichloropropane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,3,5-Trimethylbenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,3-Dichlorobenzene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,3-Dichloropropane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,4-Dichlorobenzene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,4-Dioxane	ND		1	50	µg/L	N/A	N/A	12/17/2004	WMS1041217
2,2-Dichloropropane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
2-Butanone (MEK)	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217
2-Chloroethyl-vinyl Ether	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
2-Chlorotoluene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
2-Hexanone	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217
4-Chlorotoluene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
4-Methyl-2-Pentanone(MIBK)	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217
Acetone	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217
Acetonitrile	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Acrolein	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Acrylonitrile	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Benzene	2.8		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Benzyl Chloride	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Bromobenzene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Bromochloromethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Bromodichloromethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Bromoform	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Bromomethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Carbon Disulfide	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Carbon Tetrachloride	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Chlorobenzene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Chloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Chloroform	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Chloromethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

12/22/2004 4:43:07 PM - lqianiz

Entech Analytical Labs, Inc.

3334 Victor Court, Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

PES Environmental, Inc.
1682 Novato Boulevard, Suite 100
Novato, CA 94947
Attn: Pete Gorman

Project Number: 241.062.02.002
Project Name:
Date Received: 12/15/2004
P.O. Number: 241.062.02.002
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41690-009 Sample ID: GW-5-12

Matrix: Liquid Sample Date: 12/15/2004 1:50 PM

Method: EPA 8260B / EPA 5030B / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
cis-1,3-Dichloropropene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Cyclohexanone	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217
Dibromochloromethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Dibromomethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Dichlorodifluoromethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Diisopropyl Ether	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Ethyl Benzene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Freon 113	ND		1	1	µg/L	N/A	N/A	12/17/2004	WMS1041217
Hexachlorobutadiene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Iodomethane	ND		1	1	µg/L	N/A	N/A	12/17/2004	WMS1041217
Isopropanol	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217
Isopropylbenzene	ND		1	1	µg/L	N/A	N/A	12/17/2004	WMS1041217
Methyl-t-butyl Ether	ND		1	1	µg/L	N/A	N/A	12/17/2004	WMS1041217
Methylene Chloride	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217
n-Butylbenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
n-Propylbenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Naphthalene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
p-Isopropyltoluene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Pentachloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
sec-Butylbenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Styrene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
tert-Amyl Methyl Ether	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
tert-Butanol (TBA)	ND		1	10	µg/L	N/A	N/A	12/17/2004	WMS1041217
tert-Butyl Ethyl Ether	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
tert-Butylbenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Tetrachloroethene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Tetrahydrofuran	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217
Toluene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
trans-1,2-Dichloroethene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
trans-1,3-Dichloropropene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
trans-1,4-Dichloro-2-butene	ND		1	1	µg/L	N/A	N/A	12/17/2004	WMS1041217
Trichloroethene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Trichlorofluoromethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Vinyl Acetate	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Vinyl Chloride	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Xylenes, Total	1.5		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	91.3	75 - 125
Dibromofluoromethane	109	75 - 125
Toluene-d8	102	75 - 125

Analyzed by: XB

Reviewed by: BDHABALIA

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

12/22/2004 4:43:07 PM - Iglantz

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

PES Environmental, Inc.
1682 Novato Boulevard, Suite 100
Novato, CA 94947
Attn: Pete Gorman

Project Number: 241.062.02.002
Project Name:
Date Received: 12/15/2004
P.O. Number: 241.062.02.002
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41690-009 Sample ID: GW-5-12

Matrix: Liquid Sample Date: 12/15/2004 1:50 PM

Method: GC-MS

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	110		1	25	µg/L	N/A	N/A	12/17/2004	WMS1041217

Note: Atypical pattern. No indication of gasoline.

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	100	75 - 125
Dibromofluoromethane	107	75 - 125
Toluene-d8	104	75 - 125

Analyzed by: XBian

Reviewed by: BDMABALIA

Detection Limit = Detection Limit for Reporting.

DF = Dilution and/or Prep Factor including sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

12/22/2004 4:43:08 PM - jglant2

Entech Analytical Labs, Inc.

3334 Victor Court, Santa Clara, CA 95054

Phone: (408) 588-0200

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PES Environmental, Inc.
 1682 Novato Boulevard, Suite 100
 Novato, CA 94947
 Attn: Pete Gorman

Project Number: 241.062.02.002
 Project Name:
 Date Received: 12/15/2004
 P.O. Number: 241.062.02.002
 Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41690-010 Sample ID: GW-6-8

Matrix: Liquid Sample Date: 12/15/2004 2:45 PM

Method: EPA 8015 MOD. (Extractable) / EPA 3510C / Liq-Liq, Sep Funnel, MeCl

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	4200		5	250	µg/L	12/17/2004	DW4835A	12/20/2004	DW4835A
Note: C12-C36.									
TPH as Motor Oil	ND		5	1300	µg/L	12/17/2004	DW4835A	12/20/2004	DW4835A
Surrogate	Surrogate Recovery	Control Limits (%)							
o-Terphenyl	112	22 - 133		Analyzed by: Jnsiang Reviewed by: LGLANTZ					

Detection Limit = Detection Limit for Reporting.

DF = Dilution and/or Prep Factor including sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

Entech Analytical Labs, Inc.

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Attn: Pete Gorman

Project Number: 241.062.02.002
Project Name:
Date Received: 12/15/2004
P.O. Number: 241.062.02.002
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41690-010 Sample ID: GW-6-8

Matrix: Liquid Sample Date: 12/15/2004 2:45 PM

Method: EPA 8260B / EPA 5030B / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,1,1-Trichloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,1,2,2-Tetrachloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,1,2-Trichloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,1-Dichloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,1-Dichloroethene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,1-Dichloropropene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2,3-Trichlorobenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2,3-Trichloropropane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2,4-Trichlorobenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2,4-Trimethylbenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2-Dibromo-3-Chloropropane	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2-Dibromoethane (EDB)	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2-Dichlorobenzene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2-Dichloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2-Dichloropropane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,3,5-Trimethylbenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,3-Dichlorobenzene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,3-Dichloropropane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,4-Dichlorobenzene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,4-Dioxane	ND		1	50	µg/L	N/A	N/A	12/17/2004	WMS1041217
2,2-Dichloropropane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
2-Butanone (MEK)	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217
2-Chloroethyl-vinyl Ether	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
2-Chlorotoluene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
2-Hexanone	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217
4-Chlorotoluene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
4-Methyl-2-Pentanone(MIBK)	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217
Acetone	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217
Acetonitrile	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Acrolein	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Acrylonitrile	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Benzene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Benzyl Chloride	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Bromobenzene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Bromochloromethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Bromodichloromethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Bromoform	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Bromomethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Carbon Disulfide	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Carbon Tetrachloride	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Chlorobenzene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Chloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Chloroform	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Chloromethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217

Detection Limit = Detection Limit for Reporting.

DF = Dilution and/or Prep Factor including sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

12/22/2004 4:43:09 PM - lglantz

Entech Analytical Labs, Inc.**3334 Victor Court , Santa Clara, CA 95054****Phone: (408) 588-0200****Fax: (408) 588-0201**

PES Environmental, Inc.
1682 Novato Boulevard, Suite 100
Novato, CA 94947
Attn: Pete Gorman

Project Number: 241.062.02.002
Project Name:
Date Received: 12/15/2004
P.O. Number: 241.062.02.002
Sampled By: Client

Certificate of Analysis - Data Report**Lab # : 41690-010 Sample ID: GW-6-8****Matrix: Liquid Sample Date: 12/15/2004 2:45 PM****Method: EPA 8260B / EPA 5030B / Purge & Trap**

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
cis-1,3-Dichloropropene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Cyclohexanone	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217
Dibromochloromethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Dibromomethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Dichlorodifluoromethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Diisopropyl Ether	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Ethyl Benzene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Freon 113	ND		1	1	µg/L	N/A	N/A	12/17/2004	WMS1041217
Hexachlorobutadiene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Iodomethane	ND		1	1	µg/L	N/A	N/A	12/17/2004	WMS1041217
Isopropanol	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217
Isopropylbenzene	ND		1	1	µg/L	N/A	N/A	12/17/2004	WMS1041217
Methyl-t-butyl Ether	ND		1	1	µg/L	N/A	N/A	12/17/2004	WMS1041217
Methylene Chloride	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217
n-Butylbenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
n-Propylbenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Naphthalene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
p-isopropyltoluene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Pentachloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
sec-Butylbenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Styrene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
tert-Amyl Methyl Ether	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
tert-Butanol (TBA)	ND		1	10	µg/L	N/A	N/A	12/17/2004	WMS1041217
tert-Butyl Ethyl Ether	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
tert-Butylbenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Tetrachloroethene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Tetrahydrofuran	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217
Toluene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
trans-1,2-Dichloroethene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
trans-1,3-Dichloropropene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
trans-1,4-Dichloro-2-butene	ND		1	1	µg/L	N/A	N/A	12/17/2004	WMS1041217
Trichloroethene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Trichlorofluoromethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Vinyl Acetate	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Vinyl Chloride	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Xylenes, Total	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	89.6	75 - 125
Dibromofluoromethane	107	75 - 125
Toluene-d8	103	75 - 125

Analyzed by: XB

Reviewed by: BDHABALIA

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

12/22/2004 4:43:09 PM · Iglantz

Entech Analytical Labs, Inc.**3334 Victor Court , Santa Clara, CA 95054****Phone: (408) 588-0200****Fax: (408) 588-0201**

PES Environmental, Inc.
 1682 Novato Boulevard, Suite 100
 Novato, CA 94947
 Attn: Pete Gorman

Project Number: 241.062.02.002
 Project Name:
 Date Received: 12/15/2004
 P.O. Number: 241.062.02.002
 Sampled By: Client

Certificate of Analysis - Data Report**Lab # : 41690-010 Sample ID: GW-6-8****Matrix: Liquid Sample Date: 12/15/2004 2:45 PM**

Method: GC-MS

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1	25	µg/L	N/A	N/A	12/17/2004	WMS1041217
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: XBian	
4-Bromofluorobenzene	98.4		75	- 125				Reviewed by: BDHABALLA	
Dibromofluoromethane	106		75	- 125					
Toluene-d8	104		75	- 125					

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

12/22/2004 4:43:10 PM - lgianuz

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Project Number: 241.062.02.002
Project Name:
Date Received: 12/15/2004
P.O. Number: 241.062.02.002
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41690-011 Sample ID: GW-7-12

Matrix: Liquid Sample Date: 12/15/2004 3:15 PM

Method: EPA 8015 MOD. (Extractable) / EPA 3510C / Liq-Liq, Sep Funnel, MeCl

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	49000		50	2500	µg/L	12/17/2004	DW4835A	12/20/2004	DW4835A
Note: C12-C36.									
TPH as Motor Oil	ND		50	13000	µg/L	12/17/2004	DW4835A	12/20/2004	DW4835A
Surrogate	Surrogate Recovery	Control Limits (%)							
o-Terphenyl	125	22 - 133		Analyzed by: Jhsiang Reviewed by: LGLANTZ					

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

12/22/2004 4:43:10 PM - lglantz

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Project Name:
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P.O. Number: 241.062.02.002
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41690-011 Sample ID: GW-7-12

Matrix: Liquid Sample Date: 12/15/2004 3:15 PM

Method: EPA 8260B / EPA 5030B / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
1,1,1-Trichloroethane	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
1,1,2,2-Tetrachloroethane	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
1,1,2-Trichloroethane	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
1,1-Dichloroethane	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
1,1-Dichloroethene	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
1,1-Dichloropropene	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
1,2,3-Trichlorobenzene	ND		20	100	µg/L	N/A	N/A	12/18/2004	WMS1041217
1,2,3-Trichloropropane	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
1,2,4-Trichlorobenzene	ND		20	100	µg/L	N/A	N/A	12/18/2004	WMS1041217
1,2,4-Trimethylbenzene	ND		20	100	µg/L	N/A	N/A	12/18/2004	WMS1041217
1,2-Dibromo-3-Chloropropane	ND		20	100	µg/L	N/A	N/A	12/18/2004	WMS1041217
1,2-Dibromooctane (EDB)	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
1,2-Dichlorobenzene	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
1,2-Dichloroethane	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
1,2-Dichloropropane	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
1,3,5-Trimethylbenzene	ND		20	100	µg/L	N/A	N/A	12/18/2004	WMS1041217
1,3-Dichlorobenzene	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
1,3-Dichloropropane	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
1,4-Dichlorobenzene	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
1,4-Dioxane	ND		20	1000	µg/L	N/A	N/A	12/18/2004	WMS1041217
2,2-Dichloropropane	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
2-Butanone (MEK)	ND		20	400	µg/L	N/A	N/A	12/18/2004	WMS1041217
2-Chloroethyl-vinyl Ether	ND		20	100	µg/L	N/A	N/A	12/18/2004	WMS1041217
2-Chlorotoluene	ND		20	100	µg/L	N/A	N/A	12/18/2004	WMS1041217
2-Hexanone	ND		20	400	µg/L	N/A	N/A	12/18/2004	WMS1041217
4-Chlorotoluene	ND		20	100	µg/L	N/A	N/A	12/18/2004	WMS1041217
4-Methyl-2-Pentanone(MIBK)	ND		20	400	µg/L	N/A	N/A	12/18/2004	WMS1041217
Acetone	ND		20	400	µg/L	N/A	N/A	12/18/2004	WMS1041217
Acetonitrile	ND		20	100	µg/L	N/A	N/A	12/18/2004	WMS1041217
Acrolein	ND		20	100	µg/L	N/A	N/A	12/18/2004	WMS1041217
Acrylonitrile	ND		20	100	µg/L	N/A	N/A	12/18/2004	WMS1041217
Benzene	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
Benzyl Chloride	ND		20	100	µg/L	N/A	N/A	12/18/2004	WMS1041217
Bromobenzene	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
Bromochloromethane	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
Bromodichloromethane	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
Bromoform	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
Bromomethane	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
Carbon Disulfide	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
Carbon Tetrachloride	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
Chlorobenzene	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
Chloroethane	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
Chloroform	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
Chloromethane	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217

Detection Limit = Detection Limit for Reporting.

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DF = Dilution and/or Prep Factor including sample volume adjustments.

12/22/2004 4:43:10 PM - Iglantz

Entech Analytical Labs, Inc.

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PES Environmental, Inc.
 1682 Novato Boulevard, Suite 100
 Novato, CA 94947
 Attn: Pete Gorman

Project Number: 241.062.02.002
 Project Name:
 Date Received: 12/15/2004
 P.O. Number: 241.062.02.002
 Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41690-011 Sample ID: GW-7-12

Matrix: Liquid Sample Date: 12/15/2004 3:15 PM

Method: EPA 8260B / EPA 5030B / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
cis-1,3-Dichloropropene	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
Cyclohexanone	ND		20	400	µg/L	N/A	N/A	12/18/2004	WMS1041217
Dibromochloromethane	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
Dibromomethane	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
Dichlorodifluoromethane	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
Diisopropyl Ether	ND		20	100	µg/L	N/A	N/A	12/18/2004	WMS1041217
Ethyl Benzene	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
Freon 113	ND		20	20	µg/L	N/A	N/A	12/18/2004	WMS1041217
Hexachlorobutadiene	ND		20	100	µg/L	N/A	N/A	12/18/2004	WMS1041217
Iodomethane	ND		20	20	µg/L	N/A	N/A	12/18/2004	WMS1041217
Isopropanol	ND		20	400	µg/L	N/A	N/A	12/18/2004	WMS1041217
Isopropylbenzene	ND		20	20	µg/L	N/A	N/A	12/18/2004	WMS1041217
Methyl-t-butyl Ether	ND		20	20	µg/L	N/A	N/A	12/18/2004	WMS1041217
Methylene Chloride	ND		20	400	µg/L	N/A	N/A	12/18/2004	WMS1041217
n-Butylbenzene	ND		20	100	µg/L	N/A	N/A	12/18/2004	WMS1041217
n-Propylbenzene	ND		20	100	µg/L	N/A	N/A	12/18/2004	WMS1041217
Naphthalene	ND		20	100	µg/L	N/A	N/A	12/18/2004	WMS1041217
p-Isopropyltoluene	ND		20	100	µg/L	N/A	N/A	12/18/2004	WMS1041217
Pentachloroethane	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
sec-Butylbenzene	ND		20	100	µg/L	N/A	N/A	12/18/2004	WMS1041217
Styrene	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
tert-Amyl Methyl Ether	ND		20	100	µg/L	N/A	N/A	12/18/2004	WMS1041217
tert-Butanol (TBA)	ND		20	200	µg/L	N/A	N/A	12/18/2004	WMS1041217
tert-Butyl Ethyl Ether	ND		20	100	µg/L	N/A	N/A	12/18/2004	WMS1041217
tert-Butylbenzene	ND		20	100	µg/L	N/A	N/A	12/18/2004	WMS1041217
Tetrachloroethene	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
Tetrahydrofuran	ND		20	400	µg/L	N/A	N/A	12/18/2004	WMS1041217
Toluene	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
trans-1,2-Dichloroethene	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
trans-1,3-Dichloropropene	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
trans-1,4-Dichloro-2-butene	ND		20	20	µg/L	N/A	N/A	12/18/2004	WMS1041217
Trichloroethene	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
Trichlorofluoromethane	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
Vinyl Acetate	ND		20	100	µg/L	N/A	N/A	12/18/2004	WMS1041217
Vinyl Chloride	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217
Xylenes, Total	ND		20	10	µg/L	N/A	N/A	12/18/2004	WMS1041217

Note: Sample diluted due to nature of sample (foamy).

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	85.6	75 - 125
Dibromofluoromethane	86.4	75 - 125
Toluene-d8	96.3	75 - 125

Analyzed by: XB

Reviewed by: BDHABALLA

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

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Attn: Pete Gorman

Project Number: 241.062.02.002
Project Name:
Date Received: 12/15/2004
P.O. Number: 241.062.02.002
Sampled By: Client

Certificate of Analysis - Data Report**Lab # : 41690-011****Sample ID: GW-7-12****Matrix: Liquid Sample Date: 12/15/2004 3:15 PM****Method: GC-MS**

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		20	500	µg/L	N/A	N/A	12/18/2004	WMS1041217
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: XBian	
4-Bromofluorobenzene	94.0		75 - 125					Reviewed by: BDHABALIA	
Dibromofluoromethane	85.6		75 - 125						
Toluene-d8	97.6		75 - 125						

Detection Limit = Detection Limit for Reporting.

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ND = Not Detected at or above the Detection Limit.

12/22/2004 4:43:12 PM - lgiantz

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Project Number: 241.062.02.002
Project Name:
Date Received: 12/15/2004
P.O. Number: 241.062.02.002
Sampled By: Client

Certificate of Analysis - Data Report**Lab # : 41690-012 Sample ID: (SB-4-2)(SB-4-7)Composite****Matrix: Solid Sample Date: 12/15/2004 12:00 PM****Method: EPA 6010B**

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Cadmium	ND		1	1	mg/Kg	12/16/2004	SM041216	12/20/2004	SICP2041220
Chromium	41		1	1	mg/Kg	12/16/2004	SM041216	12/20/2004	SICP2041220
Lead	6.1		1	5	mg/Kg	12/16/2004	SM041216	12/20/2004	SICP2041220
Nickel	41		1	1	mg/Kg	12/16/2004	SM041216	12/20/2004	SICP2041220
Zinc	62		1	2	mg/Kg	12/16/2004	SM041216	12/20/2004	SICP2041220

Analyzed by: Fkha

Reviewed by: MFELIX

Detection Limit - Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

12/22/2004 4:43:12 PM - iglantz

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Project Number: 241.062.02.002
Project Name:
Date Received: 12/15/2004
P.O. Number: 241.062.02.002
Sampled By: Client

Certificate of Analysis - Data Report**Lab # : 41690-013 Sample ID: (SB-5-2)(SB-5-7)Composite****Matrix: Solid Sample Date: 12/15/2004 1:40 PM****Method: EPA 6010B**

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Cadmium	ND		1	1	mg/Kg	12/16/2004	SM041216	12/20/2004	SICP2041220
Chromium	38		1	1	mg/Kg	12/16/2004	SM041216	12/20/2004	SICP2041220
Lead	ND		1	5	mg/Kg	12/16/2004	SM041216	12/20/2004	SICP2041220
Nickel	40		1	1	mg/Kg	12/16/2004	SM041216	12/20/2004	SICP2041220
Zinc	30		1	2	mg/Kg	12/16/2004	SM041216	12/20/2004	SICP2041220

Analyzed by: Fkha

Reviewed by: MFELIX

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

12/22/2004 4:43:13 PM - lgantz

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 Attn: Pete Gorman

Project Number: 241.062.02.002
 Project Name:
 Date Received: 12/15/2004
 P.O. Number: 241.062.02.002
 Sampled By:

Certificate of Analysis - Data Report

Lab #: 41690-014 Sample ID: (SB-6-2)(SB-6-7)Composite Matrix: Solid Sample Date: 12/15/2004 2:10 PM

Method: EPA 6010B

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Cadmium	2.6		1	1	mg/Kg	12/16/2004	SM041216	12/20/2004	SICP2041220
Chromium	55		1	1	mg/Kg	12/16/2004	SM041216	12/20/2004	SICP2041220
Lead	760		1	5	mg/Kg	12/16/2004	SM041216	12/20/2004	SICP2041220
Nickel	56		1	1	mg/Kg	12/16/2004	SM041216	12/20/2004	SICP2041220
Zinc	1800		1	2	mg/Kg	12/16/2004	SM041216	12/20/2004	SICP2041220

Analyzed by: Fkha

Reviewed by: MFELIX

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

12/22/2004 4:43:13 PM - lglanz

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Quality Control - Method Blank

Solid

Prep Batch ID: DS4480B

Validated by: LGLANTZ - 12/17/04

QC Batch ID: DS4480B

Prep Date: 12/16/2004

Analysis Date: 12/16/2004

Method Blank		Method: EPA 8015 MOD. (Extractable)			
Parameter		Result	DF	PQLR	Units
TPH as Diesel		ND	1	2.5	mg/Kg
TPH as Motor Oil		ND	1	10	mg/Kg
Surrogate for Blank	% Recovery	Control Limits			
o-Terphenyl	101	41 - 137			

Entech Analytical Labs, Inc.

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Quality Control - Laboratory Control Spike / Duplicate Results

Solid

Prep Batch ID: DS4480B

Reviewed by: LGLANTZ - 12/17/04

QC Batch ID: DS4480B

Prep Date: 12/16/2004

Analysis Date: 12/16/2004

LCS Parameter	Method: EPA 8015 MOD. (Extractable)			QC Type	Analysis Date	% Recovery	Conc. Units: mg/Kg		
	Blank (MDL)	Spike Amt	SpikeResult				RPD	RPD Limits	Recovery Limits
TPH as Diesel	<0.7	50.0	45.6	LCS	12/16/2004	91.2			44 - 108
TPH as Motor Oil	<2.6	50.0	32.5	LCS	12/16/2004	65.0			32 - 130

Surrogate	% Recovery	Control Limits
o-Terphenyl	111	41 - 137

LCSD Parameter	Method: EPA 8015 MOD. (Extractable)			QC Type	Analysis Date	% Recovery	Conc. Units: mg/Kg		
	Blank (MDL)	Spike Amt	SpikeResult				RPD	RPD Limits	Recovery Limits
TPH as Diesel	<0.7	50.0	50.4	LCSD	12/16/2004	101	10.0	30	44 - 108
TPH as Motor Oil	<2.6	50.0	33.8	LCSD	12/16/2004	67.6	3.9	30	32 - 130

Surrogate	% Recovery	Control Limits
o-Terphenyl	118	41 - 137

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Quality Control - Method Blank

Solid

Prep Batch ID: DS4481A

Validated by: LGLANTZ - 12/20/04

QC Batch ID: DS4481A

Prep Date: 12/17/2004

Analysis Date: 12/17/2004

Method Blank		Method: EPA 8015 MOD. (Extractable)			
Parameter	Result	DF	PQLR	Units	
TPH as Diesel	ND	1	2.5	mg/Kg	
TPH as Motor Oil	ND	1	10	mg/Kg	
Surrogate for Blank	% Recovery	Control Limits			
o-Terphenyl	80.0	41 - 137			

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Quality Control - Laboratory Control Spike / Duplicate Results

Solid

Prep Batch ID: DS4481A

Reviewed by: LGLANTZ - 12/20/04

QC Batch ID: DS4481A

Prep Date: 12/17/2004

Analysis Date: 12/17/2004

LCS	Method: EPA 8015 MOD. (Extractable)						Conc. Units: mg/Kg		
Parameter	Blank (MDL)	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Diesel	<0.7	50.0	40.6	LCS	12/17/2004	81.2			44 - 108
TPH as Motor Oil	<2.6	50.0	27.3	LCS	12/17/2004	54.6			32 - 130

Surrogate	% Recovery	Control Limits
o-Terphenyl	99.2	41 - 137

LCSD	Method: EPA 8015 MOD. (Extractable)						Conc. Units: mg/Kg		
Parameter	Blank (MDL)	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Diesel	<0.7	50.0	40.0	LCSD	12/17/2004	80.0	1.5	30	44 - 108
TPH as Motor Oil	<2.6	50.0	27.3	LCSD	12/17/2004	54.6	0.0	30	32 - 130

Surrogate	% Recovery	Control Limits
o-Terphenyl	83.3	41 - 137

Entech Analytical Labs, Inc.

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Quality Control - Matrix Spike / Duplicate Results Solid

Prep Batch ID: DS4481A

Reviewed by: LGLANTZ - 12/21/04

QC Batch ID: DS4481A

Prep Date: 12/17/2004

Analysis Date: 12/17/2004

Method EPA 8015 MOD. (Extractable)

Conc. Units: mg/Kg

Parameter	Sample Result	Spike Amount	Spike Result	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
MS SampleNumber: 41690-003									
TPH as Diesel	ND	50	40.1	MS	12/17/2004	80.2			33 - 107
TPH as Motor Oil	ND	50	32.2	MS	12/17/2004	64.4			11 - 158
Surrogate	% Recovery	Control Limits							
o-Terphenyl	92.9	41 - 137							
MSD SampleNumber: 41690-003									
TPH as Diesel	ND	50	40.6	MSD	12/17/2004	81.2	1.2	30	33 - 107
TPH as Motor Oil	ND	50	32.4	MSD	12/17/2004	64.8	0.6	30	11 - 158
Surrogate	% Recovery	Control Limits							
o-Terphenyl	95	41 - 137							

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Quality Control - Method Blank

Liquid

Prep Batch ID: DW4835A

Validated by: LGLANTZ - 12/20/04

QC Batch ID: DW4835A

Prep Date: 12/17/2004

Analysis Date: 12/17/2004

Method Blank	Method: EPA 8015 MOD. (Extractable)				Units
Parameter	Result	DF	PQLR		
TPH as Diesel	ND	1	50	µg/L	
TPH as Motor Oil	ND	1	250	µg/L	
Surrogate for Blank	% Recovery	Control Limits			
o-Terphenyl	98.0	22 - 133			

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Quality Control - Laboratory Control Spike / Duplicate Results

Liquid

Prep Batch ID: DW4835A

Reviewed by: LGLANTZ - 12/20/04

QC Batch ID: DW4835A

Prep Date: 12/17/2004

Analysis Date: 12/17/2004

LCS		Method: EPA 8015 MOD. (Extractable)					Conc. Units: µg/L			
Parameter	Blank (MDL)	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits	
TPH as Diesel	<24	1000	1080	LCS	12/17/2004	108			35 - 109	
TPH as Motor Oil	<88	1000	710	LCS	12/17/2004	71.0			30 - 132	
Surrogate		% Recovery	Control Limits							
o-Terphenyl		120	22 - 133							

LCSD		Method: EPA 8015 MOD. (Extractable)					Conc. Units: µg/L			
Parameter	Blank (MDL)	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits	
TPH as Diesel	<24	1000	1070	LCSD	12/17/2004	107	1.7	25	35 - 109	
TPH as Motor Oil	<88	500	710	LCSD	12/17/2004	71.0	0.0	25	30 - 132	
Surrogate		% Recovery	Control Limits							
o-Terphenyl		119	22 - 133							

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Quality Control - Method Blank

Solid

Prep Batch ID: PS7422A

Validated by: MTU - 12/16/04

QC Batch ID: PS7422A

Prep Date: 12/15/2004

Analysis Date: 12/15/2004

Method Blank	Method: EPA 8082A				
Parameter	Result	DF	PQLR	Units	
Aroclor 1221	ND	1	0.1	mg/Kg	
Aroclor 1232	ND	1	0.1	mg/Kg	
Aroclor 1242	ND	1	0.1	mg/Kg	
Aroclor 1248	ND	1	0.1	mg/Kg	
Aroclor 1254	ND	1	0.1	mg/Kg	
Aroclor 1260	ND	1	0.1	mg/Kg	
Aroclor 1262	ND	1	0.1	mg/Kg	
Aroclor 1268	ND	1	0.1	mg/Kg	
Surrogate for Blank	% Recovery	Control Limits			
Decachlorobiphenyl	105	43 - 156			

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**Quality Control - Laboratory Control Spike / Duplicate Results
Solid**

Prep Batch ID: PS7422A

Reviewed by: MTU - 12/16/04

QC Batch ID: PS7422A

Prep Date: 12/15/2004

Analysis Date: 12/15/2004

LCS	Method: EPA 8082A						Conc. Units: mg/Kg			
Parameter	Blank (MDL)	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits	
Aroclor 1260	<0.004	0.200	0.224	LCS	12/15/2004	112			75 - 143	

Surrogate	% Recovery	Control Limits
Decachlorobiphenyl	103	43 - 156

LCSD	Method: EPA 8082A						Conc. Units: mg/Kg			
Parameter	Blank (MDL)	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits	
Aroclor 1260	<0.004	0.200	0.227	LCSD	12/15/2004	114	1.4	30	75 - 143	

Surrogate	% Recovery	Control Limits
Decachlorobiphenyl	103	43 - 156

Entech Analytical Labs, Inc.

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Quality Control - Method Blank

Solid

Prep Batch ID: SM041216

Validated by: MFELIX - 12/20/04

QC Batch ID: SICP2041220

Prep Date: 12/16/2004

Analysis Date: 12/20/2004

Method Blank	Method: EPA 6010B				
Parameter	Result	DF	PQLR	Units	
Cadmium	ND	1	1	mg/Kg	
Chromium	ND	1	1	mg/Kg	
Lead	ND	1	5	mg/Kg	
Nickel	ND	1	1	mg/Kg	
Zinc	ND	1	2	mg/Kg	

Entech Analytical Labs, Inc.

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Quality Control - Laboratory Control Spike / Duplicate Results

Solid

Prep Batch ID: SM041216

Reviewed by: MFELIX - 12/20/04

QC Batch ID: SICP2041220

Prep Date: 12/16/2004

Analysis Date: 12/20/2004

LCS Parameter	Method: EPA 6010B		SpikeResult	QC Type	Analysis Date	% Recovery	Conc. Units: mg/Kg		
	Blank (MDL)	Spike Amt					RPD	RPD Limits	Recovery Limits
Cadmium	<0.32	50.0	43.4	LCS	12/20/2004	86.8			75 - 125
Chromium	<0.4	50.0	47.6	LCS	12/20/2004	95.1			75 - 125
Lead	<2.1	50.0	46.0	LCS	12/20/2004	91.9			75 - 125
Nickel	<0.65	50.0	46.0	LCS	12/20/2004	92.0			75 - 125
Zinc	<1.7	50.0	43.0	LCS	12/20/2004	85.9			75 - 125

LCSD Parameter	Method: EPA 6010B		SpikeResult	QC Type	Analysis Date	% Recovery	Conc. Units: mg/Kg		
	Blank (MDL)	Spike Amt					RPD	RPD Limits	Recovery Limits
Cadmium	<0.32	50.0	43.0	LCSD	12/20/2004	86.0	0.9	30	75 - 125
Chromium	<0.4	50.0	47.5	LCSD	12/20/2004	95.1	0.0	30	75 - 125
Lead	<2.1	50.0	44.8	LCSD	12/20/2004	89.7	2.5	30	75 - 125
Nickel	<0.65	50.0	45.9	LCSD	12/20/2004	91.8	0.3	30	75 - 125
Zinc	<1.7	50.0	43.3	LCSD	12/20/2004	86.5	0.7	30	75 - 125

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Quality Control - Method Blank

Solid

Validated by: MTU - 12/17/04

QC Batch ID: SMS3041216

Analysis Date: 12/16/2004

Method Blank	Method: EPA 8260B	Result	DF	PQLR	Units
1,1,1,2-Tetrachloroethane		ND	1	5	µg/Kg
1,1,1-Trichloroethane		ND	1	5	µg/Kg
1,1,2,2-Tetrachloroethane		ND	1	5	µg/Kg
1,1,2-Trichloroethane		ND	1	5	µg/Kg
1,1-Dichloroethane		ND	1	5	µg/Kg
1,1-Dichloroethene		ND	1	5	µg/Kg
1,1-Dichloropropene		ND	1	5	µg/Kg
1,2,3-Trichlorobenzene		ND	1	5	µg/Kg
1,2,3-Trichloropropane		ND	1	5	µg/Kg
1,2,4-Trichlorobenzene		ND	1	5	µg/Kg
1,2,4-Trimethylbenzene		ND	1	5	µg/Kg
1,2-Dibromo-3-Chloropropane		ND	1	5	µg/Kg
1,2-Dibromoethane (EDB)		ND	1	5	µg/Kg
1,2-Dichlorobenzene		ND	1	5	µg/Kg
1,2-Dichloroethane		ND	1	5	µg/Kg
1,2-Dichloropropane		ND	1	5	µg/Kg
1,3,5-Trimethylbenzene		ND	1	5	µg/Kg
1,3-Dichlorobenzene		ND	1	5	µg/Kg
1,3-Dichloropropane		ND	1	5	µg/Kg
1,4-Dichlorobenzene		ND	1	5	µg/Kg
1,4-Dioxane		ND	1	100	µg/Kg
2,2-Dichloropropane		ND	1	5	µg/Kg
2-Butanone (MEK)		ND	1	40	µg/Kg
2-Chloroethyl-vinyl Ether		ND	1	5	µg/Kg
2-Chlorotoluene		ND	1	5	µg/Kg
2-Hexanone		ND	1	40	µg/Kg
4-Chlorotoluene		ND	1	5	µg/Kg
4-Methyl-2-Pentanone(MIBK)		ND	1	40	µg/Kg
Acetone		ND	1	100	µg/Kg
Acetonitrile		ND	1	40	µg/Kg
Acrolein		ND	1	5	µg/Kg
Acrylonitrile		ND	1	5	µg/Kg
Benzene		ND	1	5	µg/Kg
Benzyl Chloride		ND	1	5	µg/Kg
Bromobenzene		ND	1	5	µg/Kg
Bromochloromethane		ND	1	5	µg/Kg
Bromodichloromethane		ND	1	5	µg/Kg
Bromoform		ND	1	5	µg/Kg
Bromomethane		ND	1	5	µg/Kg
Carbon Disulfide		ND	1	5	µg/Kg
Carbon Tetrachloride		ND	1	5	µg/Kg
Chlorobenzene		ND	1	5	µg/Kg
Chloroethane		ND	1	5	µg/Kg
Chloroform		ND	1	5	µg/Kg
Chloromethane		ND	1	5	µg/Kg

Entech Analytical Labs, Inc.

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Quality Control - Method Blank

Solid

Validated by: MTU - 12/17/04

QC Batch ID: SMS3041216

Analysis Date: 12/16/2004

Method Blank	Method: EPA 8260B				
Parameter	Result	DF	PQLR	Units	
cis-1,2-Dichloroethene	ND	1	5	µg/Kg	
cis-1,3-Dichloropropene	ND	1	5	µg/Kg	
Cyclohexanone	ND	1	40	µg/Kg	
Dibromochloromethane	ND	1	5	µg/Kg	
Dibromomethane	ND	1	5	µg/Kg	
Dichlorodifluoromethane	ND	1	5	µg/Kg	
Diisopropyl Ether	ND	1	5	µg/Kg	
Ethyl Benzene	ND	1	5	µg/Kg	
Freon 113	ND	1	5	µg/Kg	
Hexachlorobutadiene	ND	1	5	µg/Kg	
Iodomethane	ND	1	40	µg/Kg	
Isopropanol	ND	1	100	µg/Kg	
Isopropylbenzene	ND	1	5	µg/Kg	
Methyl-t-butyl Ether	ND	1	5	µg/Kg	
Methylene Chloride	ND	1	25	µg/Kg	
n-Butylbenzene	ND	1	5	µg/Kg	
n-Propylbenzene	ND	1	5	µg/Kg	
Naphthalene	ND	1	5	µg/Kg	
p-Isopropyltoluene	ND	1	5	µg/Kg	
Pentachloroethane	ND	1	5	µg/Kg	
sec-Butylbenzene	ND	1	5	µg/Kg	
Styrene	ND	1	5	µg/Kg	
tert-Amyl Methyl Ether	ND	1	5	µg/Kg	
tert-Butanol (TBA)	ND	1	40	µg/Kg	
tert-Butyl Ethyl Ether	ND	1	5	µg/Kg	
tert-Butylbenzene	ND	1	5	µg/Kg	
Tetrachloroethene	ND	1	5	µg/Kg	
Tetrahydrofuran	ND	1	40	µg/Kg	
Toluene	ND	1	5	µg/Kg	
trans-1,2-Dichloroethene	ND	1	5	µg/Kg	
trans-1,3-Dichloropropene	ND	1	5	µg/Kg	
trans-1,4-Dichloro-2-butene	ND	1	40	µg/Kg	
Trichloroethene	ND	1	5	µg/Kg	
Trichlorofluoromethane	ND	1	5	µg/Kg	
Vinyl Chloride	ND	1	5	µg/Kg	
Xylenes, Total	ND	1	10	µg/Kg	
Surrogate for Blank	% Recovery	Control Limits			
4-Bromofluorobenzene	95.3	75 - 125			
Dibromofluoromethane	105	75 - 125			
Toluene-d8	113	75 - 125			

Entech Analytical Labs, Inc.

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Quality Control - Method Blank

Solid

Validated by: MTU - 12/17/04

QC Batch ID: SMS3041216

Analysis Date: 12/16/2004

Method Blank

Method: EPA 8260B

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	50	µg/Kg
Surrogate for Blank	% Recovery	Control Limits		
4-Bromofluorobenzene	95.3	75 - 125		
Dibromofluoromethane	105	75 - 125		
Toluene-d8	113	75 - 125		

Entech Analytical Labs, Inc.

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Quality Control - Laboratory Control Spike / Duplicate Results

Solid

Reviewed by: MTU - 12/20/04

QC Batch ID: SMS3041216

Analysis Date: 12/16/2004

LCS	Method: EPA 8260B		Conc. Units: µg/Kg						
Parameter	Blank (MDL)	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.3	40.0	38.4	LCS	12/16/2004	96.0			70 - 130
Benzene	<0.2	40.0	46.7	LCS	12/16/2004	117			70 - 130
Chlorobenzene	<0.2	40.0	41.8	LCS	12/16/2004	104			70 - 130
Methyl-t-butyl Ether	<0.5	40.0	33.5	LCS	12/16/2004	83.8			70 - 130
Toluene	<0.5	40.0	45.7	LCS	12/16/2004	114			70 - 130
Trichloroethene	<0.5	40.0	44.3	LCS	12/16/2004	111			70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	102	75 - 125
Dibromofluoromethane	109	75 - 125
Toluene-d8	105	75 - 125

LCSD	Method: EPA 8260B		Conc. Units: µg/Kg						
Parameter	Blank (MDL)	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.3	40.0	41.3	LCSD	12/16/2004	103	7.3	30	70 - 130
Benzene	<0.2	40.0	46.5	LCSD	12/16/2004	116	0.3	30	70 - 130
Chlorobenzene	<0.2	40.0	43.7	LCSD	12/16/2004	109	4.5	30	70 - 130
Methyl-t-butyl Ether	<0.5	40.0	35.6	LCSD	12/16/2004	89.0	6.0	30	70 - 130
Toluene	<0.5	40.0	47.5	LCSD	12/16/2004	119	3.8	30	70 - 130
Trichloroethene	<0.5	40.0	41.8	LCSD	12/16/2004	105	5.9	30	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	100	75 - 125
Dibromofluoromethane	111	75 - 125
Toluene-d8	106	75 - 125

LCS	Method: GC-MS		Conc. Units: µg/Kg						
Parameter	Blank (MDL)	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<9	250	240	LCS	12/16/2004	96.1			70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	102	75 - 125
Dibromofluoromethane	106	75 - 125
Toluene-d8	109	75 - 125

LCSD	Method: GC-MS		Conc. Units: µg/kg						
Parameter	Blank (MDL)	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<9	250	245	LCSD	12/16/2004	97.8	1.8	30	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	92.5	75 - 125
Dibromofluoromethane	108	75 - 125
Toluene-d8	106	75 - 125

Entech Analytical Labs, Inc.

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Quality Control - Method Blank

Liquid

Validated by: BDHABALLA - 12/21/04

QC Batch ID: WMS1041217

Analysis Date: 12/17/2004

Method Blank	Method: EPA 8260B	Result	DF	PQLR	Units
1,1,1,2-Tetrachloroethane		ND	1	0.5	µg/L
1,1,1-Trichloroethane		ND	1	0.5	µg/L
1,1,2,2-Tetrachloroethane		ND	1	0.5	µg/L
1,1,2-Trichloroethane		ND	1	0.5	µg/L
1,1-Dichloroethane		ND	1	0.5	µg/L
1,1-Dichloroethene		ND	1	0.5	µg/L
1,1-Dichloropropene		ND	1	0.5	µg/L
1,2,3-Trichlorobenzene		ND	1	5	µg/L
1,2,3-Trichloropropane		ND	1	0.5	µg/L
1,2,4-Trichlorobenzene		ND	1	5	µg/L
1,2,4-Trimethylbenzene		ND	1	5	µg/L
1,2-Dibromo-3-Chloropropane		ND	1	5	µg/L
1,2-Dibromoethane (EDB)		ND	1	0.5	µg/L
1,2-Dichlorobenzene		ND	1	0.5	µg/L
1,2-Dichloroethane		ND	1	0.5	µg/L
1,2-Dichloropropane		ND	1	0.5	µg/L
1,3,5-Trimethylbenzene		ND	1	5	µg/L
1,3-Dichlorobenzene		ND	1	0.5	µg/L
1,3-Dichloropropane		ND	1	0.5	µg/L
1,4-Dichlorobenzene		ND	1	0.5	µg/L
1,4-Dioxane		ND	1	50	µg/L
2,2-Dichloropropane		ND	1	0.5	µg/L
2-Butanone (MEK)		ND	1	20	µg/L
2-Chloroethyl-vinyl Ether		ND	1	5	µg/L
2-Chlorotoluene		ND	1	5	µg/L
2-Hexanone		ND	1	20	µg/L
4-Chlorotoluene		ND	1	5	µg/L
4-Methyl-2-Pentanone(MIBK)		ND	1	20	µg/L
Acetone		ND	1	20	µg/L
Acetonitrile		ND	1	5	µg/L
Acrolein		ND	1	5	µg/L
Acrylonitrile		ND	1	5	µg/L
Benzene		ND	1	0.5	µg/L
Benzyl Chloride		ND	1	5	µg/L
Bromobenzene		ND	1	0.5	µg/L
Bromochloromethane		ND	1	0.5	µg/L
Bromodichloromethane		ND	1	0.5	µg/L
Bromoform		ND	1	0.5	µg/L
Bromomethane		ND	1	0.5	µg/L
Carbon Disulfide		ND	1	0.5	µg/L
Carbon Tetrachloride		ND	1	0.5	µg/L
Chlorobenzene		ND	1	0.5	µg/L
Chloroethane		ND	1	0.5	µg/L
Chloroform		ND	1	0.5	µg/L
Chloromethane		ND	1	0.5	µg/L

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Quality Control - Method Blank

Liquid

Validated by: BDHABALIA - 12/21/04

QC Batch ID: WMS1041217

Analysis Date: 12/17/2004

Method Blank	Method: EPA 8260B				
Parameter	Result	DF	PQLR	Units	
cis-1,2-Dichloroethene	ND	1	0.5	µg/L	
cis-1,3-Dichloropropene	ND	1	0.5	µg/L	
Cyclohexanone	ND	1	20	µg/L	
Dibromochloromethane	ND	1	0.5	µg/L	
Dibromomethane	ND	1	0.5	µg/L	
Dichlorodifluoromethane	ND	1	0.5	µg/L	
Diisopropyl Ether	ND	1	5	µg/L	
Ethyl Benzene	ND	1	0.5	µg/L	
Freon 113	ND	1	1	µg/L	
Hexachlorobutadiene	ND	1	5	µg/L	
Iodomethane	ND	1	1	µg/L	
Isopropanol	ND	1	20	µg/L	
Isopropylbenzene	ND	1	1	µg/L	
Methyl-t-butyl Ether	ND	1	1	µg/L	
Methylene Chloride	ND	1	20	µg/L	
n-Butylbenzene	ND	1	5	µg/L	
n-Propylbenzene	ND	1	5	µg/L	
Naphthalene	ND	1	5	µg/L	
p-Isopropyltoluene	ND	1	5	µg/L	
Pentachloroethane	ND	1	0.5	µg/L	
sec-Butylbenzene	ND	1	5	µg/L	
Styrene	ND	1	0.5	µg/L	
tert-Amyl Methyl Ether	ND	1	5	µg/L	
tert-Butanol (TBA)	ND	1	10	µg/L	
tert-Butyl Ethyl Ether	ND	1	5	µg/L	
tert-Butylbenzene	ND	1	5	µg/L	
Tetrachloroethene	ND	1	0.5	µg/L	
Tetrahydrofuran	ND	1	20	µg/L	
Toluene	ND	1	0.5	µg/L	
trans-1,2-Dichloroethene	ND	1	0.5	µg/L	
trans-1,3-Dichloropropene	ND	1	0.5	µg/L	
trans-1,4-Dichloro-2-butene	ND	1	1	µg/L	
Trichloroethene	ND	1	0.5	µg/L	
Trichlorofluoromethane	ND	1	0.5	µg/L	
Vinyl Acetate	ND	1	5	µg/L	
Vinyl Chloride	ND	1	0.5	µg/L	
Xylenes, Total	ND	1	0.5	µg/L	
Surrogate for Blank	% Recovery	Control Limits			
4-Bromofluorobenzene	88.8	75 - 125			
Dibromofluoromethane	98.7	75 - 125			
Toluene-d8	97.6	75 - 125			

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Quality Control - Method Blank

Liquid

Validated by: BDHABALIA - 12/21/04

QC Batch ID: WMS1041217

Analysis Date: 12/17/2004

Method Blank	Method: EPA 8260B		Result	DF	PQLR	Units
Parameter						
TPH as Gasoline			ND	1	25	µg/L
Surrogate for Blank	% Recovery	Control Limits				
4-Bromofluorobenzene	97.4	75 - 125				
Dibromofluoromethane	97.8	75 - 125				
Toluene-d8	98.9	75 - 125				

Entech Analytical Labs, Inc.

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Quality Control - Laboratory Control Spike / Duplicate Results

Liquid

Reviewed by: BDHABALIA - 12/21/04

QC Batch ID: WMS1041217

Analysis Date: 12/17/2004

LCS	Method: EPA 8260B	Conc. Units: µg/L							
Parameter	Blank (MDL)	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.2	20.0	19.3	LCS	12/17/2004	96.5			80 - 120
Benzene	<0.2	20.0	20.4	LCS	12/17/2004	102			80 - 120
Chlorobenzene	<0.2	20.0	20.8	LCS	12/17/2004	104			80 - 120
Methyl-t-butyl Ether	<0.3	20.0	17.8	LCS	12/17/2004	89.0			80 - 120
Toluene	<0.2	20.0	19.5	LCS	12/17/2004	97.5			80 - 120
Trichloroethene	<0.2	20.0	19.7	LCS	12/17/2004	98.5			80 - 120

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	91.5	75 - 125
Dibromofluoromethane	107	75 - 125
Toluene-d8	97.1	75 - 125

LCSD	Method: EPA 8260B	Conc. Units: µg/L							
Parameter	Blank (MDL)	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.2	20.0	19.8	LCSD	12/17/2004	99.0	2.6	25	80 - 120
Benzene	<0.2	20.0	21.4	LCSD	12/17/2004	107	4.8	25	80 - 120
Chlorobenzene	<0.2	20.0	21.9	LCSD	12/17/2004	109	5.2	25	80 - 120
Methyl-t-butyl Ether	<0.3	20.0	20.6	LCSD	12/17/2004	103	14.6	25	80 - 120
Toluene	<0.2	20.0	20.4	LCSD	12/17/2004	102	4.5	25	80 - 120
Trichloroethene	<0.2	20.0	20.9	LCSD	12/17/2004	105	5.9	25	80 - 120

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	90.1	75 - 125
Dibromofluoromethane	107	75 - 125
Toluene-d8	95.9	75 - 125

LCS	Method: GC-MS	Conc. Units: µg/L							
Parameter	Blank (MDL)	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<6.45	125	127	LCS	12/17/2004	101			65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	99.1	75 - 125
Dibromofluoromethane	95	75 - 125
Toluene-d8	99	75 - 125

LCSD	Method: GC-MS	Conc. Units: µg/L							
Parameter	Blank (MDL)	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<6.45	125	113	LCSD	12/17/2004	90.0	12.0	25	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	98.1	75 - 125
Dibromofluoromethane	91.4	75 - 125
Toluene-d8	99.2	75 - 125

CHAIN OF CUSTODY RECORD

LABORATORY: Entech
JOB NUMBER: 241.062.02.002
NAME / LOCATION: Oriskany Ave (6340)
PROJECT MANAGER: Will Mast

SAMPLERS: PO6, JP

RECORDER: PO6

DATE				SAMPLE NUMBER / DESIGNATION
YR	MO	DAY	TIME	
04	12	15	1200	SR-4-2
			1205	SB-4-7
			1340	SB-5-2
			1345	SB-5-7
			1410	SB-6-2
			1415	SB-6-7
			1420	6340 Shallow Comp
			1215	GW-4-11
			1350	GW-5-R
			1445	GW-6-8
			1515	GW-7-12

MATRIX				# of Containers & Preservatives						DEPTH IN FEET
Vapor	Water	Soil	Sedim't	Unpres.	EnCore	H ₂ SO ₄	HNO ₃	HCl	Unpres	
		X		1	3					690 41890-00
		X		1	3					-002
		X		1	3					-003
		X		1	3					-004
		X		1	3					-005
		X		1	3					-006
		X		1	3					-007
X				2	3					-008
X				2	3					-009
X				2	3					-010
X				2	3					-011

ANALYSIS REQUESTED										
EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B VOCs + THS	TPHg by 5035/8015M	TPHd by 8015M	TPHm by 8015M	EPA 8270C	MNA Parameters (see notes)	8082A - PCBs	PAH [Hold] **	- Composite 2 Samples * LUFT 5 Metals
	X	X	X	X	X					X -12
	X	X	X	X	X					X -13
	X	X	X	X	X					X -14
	X	X	X	X	X					X -14
	X	X	X	X	X		X			
	X	X	X	X	X					
	X	X	X	X	X					

NOTES
Turn Around Time: Standard
* After extracting soil for the other analyses, please composite the "SB-4"'s together, the "SB-5"'s with each other, and then the "SB-6"'s - Analyze for LUFT 5
** Please hold samples for PAH Analysis

CHAIN OF CUSTODY RECORD				DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)			2/15/04	1600
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)				
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)				
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)				
DISPATCHED BY: (Signature)	DATE	TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:					



PES Environmental, Inc.
Engineering & Environmental Services

LABORATORY: Entech
JOB NUMBER: 241.062.02.002
NAME / LOCATION: Christie Ave (6340)
PROJECT MANAGER: Will Mast

CHAIN OF CUSTODY RECORD

SAMPLERS: PDG, JP

RECORDER: PDG

DATE				SAMPLE NUMBER / DESIGNATION
YR	MO	DY	TIME	
04	12	15	1200	SB-4-2
			1205	SB-4-7
			1340	SB-5-2
			1345	SB-5-7
			1410	SB-6-2
			1415	SB-6-7
			1420	6340 Shallow Comp
			1215	GW-4-11
			1350	GW-5-R
			1445	GW-6-8
			1515	GW-7-12

MATRIX	# of Containers & Preservatives						DEPTH IN FEET
	Vapor	Water	Soil	Sedim't	Unpres.	EnCate	
			X		1	3	4160-01
			X		1	3	002
			X		1	3	003
			X		1	3	004
			X		1	3	005
			X		1	3	006
			X		1	3	007
			X		1	3	008
					2	3	009
					2	3	010
					2	3	011

1682 NOVATO BOULEVARD, SUITE 100
NOVATO, CALIFORNIA 94947
(415) 899-1600 FAX (415) 899-1601

ANALYSIS REQUESTED	
EPA 5035/8010	X
EPA 5035/8021	X
EPA 5035/8260B VDLs + TPHg	X
TPHg by 5035/8015M	X
TPHd by 8015M	X
TPHm by 8015M	X
EPA 8270C	X
MNA Parameters (see notes)	X
8082A - PCBs	X
PAH Hold	X
- Composite 2 Samples *	
LUFT 5 Metals	

NOTES
Turn Around Time: Standard

* After extracting soil for the other analyses, please composite the "SB-4"'s together, the "SB-5"'s with each other, and then the "SB-6"'s. Analyze for LUFT 5
Hold samples for PAH Analysis

CHAIN OF CUSTODY RECORD			
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME
DISPATCHED BY: (Signature)	RECEIVED FOR LAB BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:			

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

FAX COVER SHEET

DATE: Dec. 22, 2004

TO: Company: PES Environmental

Attention: Pete Gorman

FAX: (415) 899-1601

FROM: Entech

PAGES (INCLUDING COVER): 65

MEMO: # 41689

IF THERE ARE ANY PROBLEMS WITH THIS TRANSMISSION, PLEASE CALL (408) 588-0200

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

Pete Gorman
 PES Environmental, Inc.
 1682 Novato Boulevard, Suite 100
 Novato, CA 94947

Certificate ID: 41689 - 12/22/2004 4:07:56 PM

Order: 41689
 Project Name:
 Project Number: 241.062.01.002

Date Collected: 12/15/2004
 Date Received: 12/15/2004
 P.O. Number: 241.062.01.002

Certificate of Analysis - Final Report

On December 15, 2004, samples were received under chain of custody for analysis. Entech analyzes samples "as received" unless otherwise noted. The following results are included:

<u>Matrix</u>	<u>Test</u>	<u>Method</u>	<u>Comments</u>
Liquid	EPA 8260B	EPA 8260B	
	TPH as Gasoline - GC/MS	GC-MS	
	TPH-Extractable	EPA 8015 MOD. (Extractable)	
Solid	EPA 8082A	EPA 8082A	
	EPA 8260B	EPA 8260B	
	LUFT Metals	EPA 6010B	
	TPH as Gasoline - GCMS	GC-MS	
	TPH-Extractable	EPA 8015 MOD. (Extractable)	

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346).
 If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,

Laurie Glantz-Murphy

Laurie Glantz-Murphy
 Laboratory Director

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

PES Environmental, Inc.
1682 Novato Boulevard, Suite 100
Novato, CA 94947
Attn: Pete Gorman

Project Number: 241.062.01.002
Project Name:
Date Received: 12/15/2004
P.O. Number: 241.062.01.002
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41689-001

Sample ID: SB-1-2

Matrix: Solid

Sample Date: 12/15/2004 8:00 AM

Method: EPA 8015 MOD. (Extractable) / EPA 3545 / Pressurized Fluid Extraction, MeCl

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		20	50	mg/Kg	12/16/2004	DS4480B	12/21/2004	DS4480B
TPH as Motor Oil	560		20	200	mg/Kg	12/16/2004	DS4480B	12/21/2004	DS4480B
Surrogate	Surrogate Recovery		Control Limits (%)						
o-Terphenyl	92.6		41 - 137					Analyzed by: Jhsiang	Reviewed by: LGLANTZ

Detection Limit = Detection Limit for Reporting.

DF = Dilution and/or Prep Factor including sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

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PES Environmental, Inc.

1682 Novato Boulevard, Suite 100

Novato, CA 94947

Attn: Pete Gorman

Project Number: 241.062.01.002

Project Name:

Date Received: 12/15/2004

P.O. Number: 241.062.01.002

Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41689-001

Sample ID: SB-1-2

Matrix: Solid

Sample Date: 12/15/2004 8:00 AM

Method: EPA 8260B / EPA 5035A / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1,1-Trichloroethane	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1,2,2-Tetrachloroethane	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1,2-Trichloroethane	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1-Dichloroethane	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1-Dichloroethene	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1-Dichloropropene	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,3-Trichlorobenzene	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,3-Trichloropropane	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,4-Trichlorobenzene	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,4-Trimethylbenzene	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dibromo-3-Chloropropane	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dibromoethane (EDB)	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dichlorobenzene	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dichloroethane	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dichloropropane	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,3,5-Trimethylbenzene	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,3-Dichlorobenzene	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,3-Dichloropropane	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,4-Dichlorobenzene	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,4-Dioxane	ND		0.81	81	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2,2-Dichloropropane	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Butanone (MEK)	ND		0.81	32	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Chloroethyl-vinyl Ether	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Chlorotoluene	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Hexanone	ND		0.81	32	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
4-Chlorotoluene	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
4-Methyl-2-Pentanone(MIBK)	ND		0.81	32	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acetone	ND		0.81	81	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acetonitrile	ND		0.81	32	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acrolein	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acrylonitrile	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Benzene	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Benzyl Chloride	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromobenzene	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromochloromethane	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromodichloromethane	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromoform	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromomethane	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Carbon Disulfide	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Carbon Tetrachloride	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chlorobenzene	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chloroethane	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chloroform	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chloromethane	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216

Detection Limit = Detection Limit for Reporting.

DF = Dilution and/or Prep Factor including sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

Entech Analytical Labs, Inc.

3334 Victor Court, Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

PES Environmental, Inc.
1682 Novato Boulevard, Suite 100
Novato, CA 94947
Attn: Pete Gorman

Project Number: 241.062.01.002
Project Name:
Date Received: 12/15/2004
P.O. Number: 241.062.01.002
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41689-001

Sample ID: SB-1-2

Matrix: Solid

Sample Date: 12/15/2004 8:00 AM

Method: EPA 8260B / EPA 5035A / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
cis-1,3-Dichloropropene	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Cyclohexanone	ND		0.81	32	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Dibromochloromethane	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Dibromomethane	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Dichlorodifluoromethane	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Diisopropyl Ether	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Ethyl Benzene	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Freon 113	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Hexachlorobutadiene	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Iodomethane	ND		0.81	32	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Isopropanol	ND		0.81	81	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Isopropylbenzene	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Methyl-t-butyl Ether	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Methylene Chloride	ND		0.81	20	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
n-Butylbenzene	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
n-Propylbenzene	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Naphthalene	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
p-Isopropyltoluene	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Pentachloroethane	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
sec-Butylbenzene	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Styrene	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Amyl Methyl Ether	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Butanol (TBA)	ND		0.81	32	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Butyl Ethyl Ether	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Butylbenzene	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Tetrachloroethene	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Tetrahydrofuran	ND		0.81	32	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Toluene	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
trans-1,2-Dichloroethene	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
trans-1,3-Dichloropropene	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
trans-1,4-Dichloro-2-butene	ND		0.81	32	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Trichloroethene	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Trichlorofluoromethane	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Vinyl Chloride	ND		0.81	4	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Xylenes, Total	ND		0.81	8.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Surrogate	Surrogate Recovery		Control Limits (%)						
4-Bromofluorobenzene	98.7		75 - 125						Analyzed by: BELA
Dibromofluoromethane	102		75 - 125						Reviewed by: MTU
Toluene-d8	108		75 - 125						

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

12/22/2004 10:00:01 AM

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

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PES Environmental, Inc.
1682 Novato Boulevard, Suite 100
Novato, CA 94947
Attn: Pete Gorman

Project Number: 241.062.01.002
Project Name:
Date Received: 12/15/2004
P.O. Number: 241.062.01.002
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41689-001

Sample ID: SB-1-2

Matrix: Solid

Sample Date: 12/15/2004 8:00 AM

Method: GC-MS

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		0.81	40	µg/KG	N/A	N/A	12/16/2004	SMS3041216
Surrogate	Surrogate Recovery		Control Limits (%)						
4-Bromofluorobenzene	98.7		75	- 125				Analyzed by: BELA	
Dibromofluoromethane	102		75	- 125				Reviewed by: MTU	
Toluene-d8	108		75	- 125					

Detection Limit = Detection Limit for Reporting.

DF = Dilution and/or Prep Factor including sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

12/22/2004 4:08:07 PM - C:\Users\...

Entech Analytical Labs, Inc.

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PES Environmental, Inc.
 1682 Novato Boulevard, Suite 100
 Novato, CA 94947
 Attn: Pete Gorman

Project Number: 241.062.01.002
 Project Name:
 Date Received: 12/15/2004
 P.O. Number: 241.062.01.002
 Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41689-002

Sample ID: SB-1-7

Matrix: Solid

Sample Date: 12/15/2004 8:05 AM

Method: EPA 8015 MOD. (Extractable) / EPA 3545 / Pressurized Fluid Extraction, MeCl

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		5	13	mg/Kg	12/16/2004	DS4480B	12/17/2004	DS4480B
TPH as Motor Oil	140		5	50	mg/Kg	12/16/2004	DS4480B	12/17/2004	DS4480B
Surrogate	Surrogate Recovery		Control Limits (%)						
o-Terphenyl	103		41 - 137					Analyzed by: Jhsiang	Reviewed by: LGLANTZ

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

12/22/2004 13:44:00

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

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PES Environmental, Inc.
1682 Novato Boulevard, Suite 100
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Attn: Pete Gorman

Project Number: 241.062.01.002
Project Name:
Date Received: 12/15/2004
P.O. Number: 241.062.01.002
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41689-002

Sample ID: SB-1-7

Matrix: Solid

Sample Date: 12/15/2004 8:05 AM

Method: EPA 8260B / EPA 5035A / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1,1-Trichloroethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1,2,2-Tetrachloroethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1,2-Trichloroethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1-Dichloroethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1-Dichloroethene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1-Dichloropropene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,3-Trichlorobenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,3-Trichloropropane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,4-Trichlorobenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,4-Trimethylbenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dibromo-3-Chloropropane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dibromoethane (EDB)	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dichlorobenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dichloroethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dichloropropane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,3,5-Trimethylbenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,3-Dichlorobenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,3-Dichloropropane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,4-Dichlorobenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,4-Dioxane	ND		0.83	83	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2,2-Dichloropropane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Butanone (MEK)	ND		0.83	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Chloroethyl-vinyl Ether	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Chlorotoluene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Hexanone	ND		0.83	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
4-Chlorotoluene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
4-Methyl-2-Pentanone(MIBK)	ND		0.83	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acetone	ND		0.83	83	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acetonitrile	ND		0.83	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acrolein	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acrylonitrile	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Benzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Benzyl Chloride	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromobenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromochloromethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromodichloromethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromoform	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromomethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Carbon Disulfide	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Carbon Tetrachloride	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chlorobenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chloroethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chloroform	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chloromethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216

Detection Limit = Detection Limit for Reporting.

DF = Dilution and/or Prep Factor including sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

Entech Analytical Labs, Inc.

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Fax: (408) 588-0201

PES Environmental, Inc.
1682 Novato Boulevard, Suite 100
Novato, CA 94947
Attn: Pete Gorman

Project Number: 241.062.01.002
Project Name:
Date Received: 12/15/2004
P.O. Number: 241.062.01.002
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41689-002

Sample ID: SB-1-7

Matrix: Solid

Sample Date: 12/15/2004 8:05 AM

Method: EPA 8260B / EPA 5035A / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
cis-1,3-Dichloropropene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Cyclohexanone	ND		0.83	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Dibromochloromethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Dibromomethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Dichlorodifluoromethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Diisopropyl Ether	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Ethyl Benzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Freon 113	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Hexachlorobutadiene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Iodomethane	ND		0.83	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Isopropanol	ND		0.83	83	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Isopropylbenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Methyl-t-butyl Ether	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Methylene Chloride	ND		0.83	21	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
n-Butylbenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
n-Propylbenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Naphthalene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
p-Isopropyltoluene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Pentachloroethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
sec-Butylbenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Styrene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Amyl Methyl Ether	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Butanol (TBA)	ND		0.83	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Butyl Ethyl Ether	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Butylbenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Tetrachloroethene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Tetrahydrofuran	ND		0.83	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Toluene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
trans-1,2-Dichloroethene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
trans-1,3-Dichloropropene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
trans-1,4-Dichloro-2-butene	ND		0.83	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Trichloroethene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Trichlorofluoromethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Vinyl Chloride	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Xylenes, Total	ND		0.83	8.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Surrogate	Surrogate Recovery		Control Limits (%)						
4-Bromofluorobenzene	99.9		75 - 125						Analyzed by: BELA
Dibromofluoromethane	106		75 - 125						Reviewed by: MTU
Toluene-d8	107		75 - 125						

Detection Limit - Detection Limit for Reporting.

DF = Dilution and/or Prep Factor including sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

12/22/2004 4:08:04 PM - DGuerrero

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

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PES Environmental, Inc.
 1682 Novato Boulevard, Suite 100
 Novato, CA 94947
 Attn: Pete Gorman

Project Number: 241.062.01.002
 Project Name:
 Date Received: 12/15/2004
 P.O. Number: 241.062.01.002
 Sampled By: Client

Certificate of Analysis - Data Report

Lab # : 41689-002

Sample ID: SB-1-7

Matrix: Solid

Sample Date: 12/15/2004 8:05 AM

Method: GC-MS

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		0.83	42	µg/KG	N/A	N/A	12/16/2004	SMS3041216
Surrogate	Surrogate Recovery		Control Limits (%)						
4-Bromofluorobenzene	99.9		75	- 125				12/16/2004	SMS3041216
Dibromofluoromethane	106		75	- 125				12/16/2004	SMS3041216
Toluene-d8	107		75	- 125				12/16/2004	SMS3041216

Analyzed by: BELA
 Reviewed by: MTU

Detection Limit = Detection Limit for Reporting.

DF = Dilution and/or Prep Factor including sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

Entech Analytical Labs, Inc.**3334 Victor Court , Santa Clara, CA 95054****Phone: (408) 588-0200****Fax: (408) 588-0201**

PES Environmental, Inc.
 1682 Novato Boulevard, Suite 100
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Project Number: 241.062.01.002
 Project Name:
 Date Received: 12/15/2004
 P.O. Number: 241.062.01.002
 Sampled By: Client

Certificate of Analysis - Data Report

Lab # : 41689-003 Sample ID: SB-2-2 Matrix: Solid Sample Date: 12/15/2004 9:55 AM

Method: EPA 8015 MOD. (Extractable) / EPA 3545 / Pressurized Fluid Extraction, MeCl

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		2	5	mg/Kg	12/16/2004	DS4480B	12/17/2004	DS4480B
TPH as Motor Oil	40		2	20	mg/Kg	12/16/2004	DS4480B	12/17/2004	DS4480B
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: Jhsiang	
o-Terphenyl	52.5		41	- 137				Reviewed by: LGLANTZ	

Detection Limit = Detection Limit for Reporting.

DF = Dilution and/or Prep Factor including sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

12/22/2004 4:13:45 PM - C:\Users\...

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3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

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PES Environmental, Inc.
1682 Novato Boulevard, Suite 100
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Project Number: 241.062.01.002
Project Name:
Date Received: 12/15/2004
P.O. Number: 241.062.01.002
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41689-003

Sample ID: SB-2-2

Matrix: Solid

Sample Date: 12/15/2004 9:55 AM

Method: EPA 8260B / EPA 5035A / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1,1-Trichloroethane	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1,2,2-Tetrachloroethane	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1,2-Trichloroethane	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1-Dichloroethane	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1-Dichloroethene	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1-Dichloropropene	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,3-Trichlorobenzene	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,3-Trichloropropane	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,4-Trichlorobenzene	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,4-Trimethylbenzene	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dibromo-3-Chloropropane	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dibromoethane (EDB)	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dichlorobenzene	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dichloroethane	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dichloropropane	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,3,5-Trimethylbenzene	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,3-Dichlorobenzene	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,3-Dichloropropane	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,4-Dichlorobenzene	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,4-Dioxane	ND		0.82	82	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2,2-Dichloropropane	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Butanone (MEK)	ND		0.82	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Chloroethyl-vinyl Ether	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Chlorotoluene	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Hexanone	ND		0.82	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
4-Chlorotoluene	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
4-Methyl-2-Pentanone(MIBK)	ND		0.82	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acetone	ND		0.82	82	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acetonitrile	ND		0.82	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acrolein	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acrylonitrile	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Benzene	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Benzyl Chloride	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromobenzene	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromochloromethane	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromodichloromethane	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromoform	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromomethane	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Carbon Disulfide	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Carbon Tetrachloride	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chlorobenzene	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chloroethane	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chloroform	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chloromethane	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216

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Entech Analytical Labs, Inc.

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Phone: (408) 588-0200

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PES Environmental, Inc.
1682 Novato Boulevard, Suite 100
Novato, CA 94947
Attn: Pete Gorman

Project Number: 241.062.01.002

Project Name:

Date Received: 12/15/2004

P.O. Number: 241.062.01.002

Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41689-003

Sample ID: SB-2-2

Matrix: Solid

Sample Date: 12/15/2004 9:55 AM

Method: EPA 8260B / EPA 5035A / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
cis-1,3-Dichloropropene	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Cyclohexanone	ND		0.82	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Dibromochloromethane	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Dibromomethane	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Dichlorodifluoromethane	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Diisopropyl Ether	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Ethyl Benzene	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Freon 113	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Hexachlorobutadiene	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Iodomethane	ND		0.82	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Isopropanol	ND		0.82	82	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Isopropylbenzene	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Methyl-t-butyl Ether	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Methylene Chloride	ND		0.82	21	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
n-Butylbenzene	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
n-Propylbenzene	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Naphthalene	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
p-Isopropyltoluene	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Pentachloroethane	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
sec-Butylbenzene	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Styrene	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Amyl Methyl Ether	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Butanol (TBA)	ND		0.82	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Butyl Ethyl Ether	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Butylbenzene	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Tetrachloroethene	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Tetrahydrofuran	ND		0.82	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Toluene	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
trans-1,2-Dichloroethene	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
trans-1,3-Dichloropropene	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
trans-1,4-Dichloro-2-butene	ND		0.82	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Trichloroethene	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Trichlorofluoromethane	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Vinyl Chloride	ND		0.82	4.1	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Xylenes, Total	ND		0.82	8.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Surrogate	Surrogate Recovery		Control Limits (%)						
4-Bromofluorobenzene	98.8		75 - 125					Analyzed by: BELA	
Dibromofluoromethane	105		75 - 125					Reviewed by: MTU	
Toluene-d8	110		75 - 125						

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

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12/22/2004 4:08:07 PM - C:\Quantum\...

Entech Analytical Labs, Inc.

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PES Environmental, Inc.
 1682 Novato Boulevard, Suite 100
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 Attn: Pete Gorman

Project Number: 241.062.01.002
 Project Name:
 Date Received: 12/15/2004
 P.O. Number: 241.062.01.002
 Sampled By: Client

Certificate of Analysis - Data Report

Lab # : 41689-003

Sample ID: SB-2-2

Matrix: Solid

Sample Date: 12/15/2004 9:55 AM

Method: GC-MS

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		0.82	41	µg/KG	N/A	N/A	12/16/2004	SMS3041216
Surrogate	Surrogate Recovery		Control Limits (%)						
4-Bromofluorobenzene	98.8		75	- 125				Analyzed by: BELA	
Dibromofluoromethane	105		75	- 125				Reviewed by: MTU	
Toluene-d8	110		75	- 125					

Detection Limit = Detection Limit for Reporting.

DF = Dilution and/or Prep Factor including sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

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 Project Name:
 Date Received: 12/15/2004
 P.O. Number: 241.062.01.002
 Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41689-004

Sample ID: SB-2-7

Matrix: Solid

Sample Date: 12/15/2004 10:00 AM

Method: EPA 8015 MOD. (Extractable) / EPA 3545 / Pressurized Fluid Extraction, MeCl

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1	2.5	mg/Kg	12/16/2004	DS4480B	12/17/2004	DS4480B
TPH as Motor Oil	47		1	10	mg/Kg	12/16/2004	DS4480B	12/17/2004	DS4480B
Surrogate o-Terphenyl	Surrogate Recovery 89.7		Control Limits (%) 41 - 137					Analyzed by: Jhsiang Reviewed by: LGLANTZ	

Detection Limit = Detection Limit for Reporting.

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ND = Not Detected at or above the Detection Limit.

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Project Number: 241.062.01.002
Project Name:
Date Received: 12/15/2004
P.O. Number: 241.062.01.002
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41689-004

Sample ID: SB-2-7

Matrix: Solid

Sample Date: 12/15/2004 10:00 AM

Method: EPA 8260B / EPA 5035A / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1,1-Trichloroethane	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1,2,2-Tetrachloroethane	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1,2-Trichloroethane	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1-Dichloroethane	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1-Dichloroethene	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1-Dichloropropene	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,3-Trichlorobenzene	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,3-Trichloropropane	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,4-Trichlorobenzene	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,4-Trimethylbenzene	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dibromo-3-Chloropropane	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dibromoethane (EDB)	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dichlorobenzene	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dichloroethane	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dichloropropane	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,3,5-Trimethylbenzene	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,3-Dichlorobenzene	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,3-Dichloropropane	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,4-Dichlorobenzene	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,4-Dioxane	ND		5	500	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2,2-Dichloropropane	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Butanone (MEK)	ND		5	200	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Chloroethyl-vinyl Ether	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Chlorotoluene	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Hexanone	ND		5	200	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
4-Chlorotoluene	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
4-Methyl-2-Pentanone(MIBK)	ND		5	200	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acetone	ND		5	500	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acetonitrile	ND		5	200	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acrolein	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acrylonitrile	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Benzene	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Benzyl Chloride	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromobenzene	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromochloromethane	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromodichloromethane	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromoform	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromomethane	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Carbon Disulfide	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Carbon Tetrachloride	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chlorobenzene	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chloroethane	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chloroform	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chloromethane	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216

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Novato, CA 94947
Attn: Pete Gorman

Project Number: 241.062.01.002
Project Name:
Date Received: 12/15/2004
P.O. Number: 241.062.01.002
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41689-004

Sample ID: SB-2-7

Matrix: Solid

Sample Date: 12/15/2004 10:00 AM

Method: EPA 8260B / EPA 5035A / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
cis-1,3-Dichloropropene	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Cyclohexanone	ND		5	200	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Dibromochloromethane	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Dibromomethane	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Dichlorodifluoromethane	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Diisopropyl Ether	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Ethyl Benzene	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Freon 113	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Hexachlorobutadiene	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Iodomethane	ND		5	200	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Isopropanol	ND		5	500	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Isopropylbenzene	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Methyl-t-butyl Ether	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Methylene Chloride	ND		5	130	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
n-Butylbenzene	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
n-Propylbenzene	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Naphthalene	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
p-Isopropyltoluene	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Pentachloroethane	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
sec-Butylbenzene	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Styrene	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Amyl Methyl Ether	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Butanol (TBA)	ND		5	200	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Butyl Ethyl Ether	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Butylbenzene	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Tetrachloroethene	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Tetrahydrofuran	ND		5	200	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Toluene	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
trans-1,2-Dichloroethene	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
trans-1,3-Dichloropropene	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
trans-1,4-Dichloro-2-butene	ND		5	200	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Trichloroethene	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Trichlorofluoromethane	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Vinyl Chloride	ND		5	25	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Xylenes, Total	ND		5	50	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Surrogate	Surrogate Recovery	Control Limits (%)							
4-Bromofluorobenzene	96.4	75	- 125					Analyzed by: BELA	
Dibromofluoromethane	113	75	- 125					Reviewed by: MTU	
Toluene-d8	112	75	- 125						

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

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PES Environmental, Inc.
 1682 Novato Boulevard, Suite 100
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 Attn: Pete Gorman

Project Number: 241.062.01.002
 Project Name:
 Date Received: 12/15/2004
 P.O. Number: 241.062.01.002
 Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41689-004

Sample ID: SB-2-7

Matrix: Solid

Sample Date: 12/15/2004 10:00 AM

Method: GC-MS

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	3000		5	250	µg/KG	N/A	N/A	12/16/2004	SMS3041216
Surrogate	Surrogate Recovery			Control Limits (%)					
4-Bromofluorobenzene	96.4			75 - 125				Analyzed by: BELA	
Dibromofluoromethane	113			75 - 125				Reviewed by: MTU	
Toluene-d8	112			75 - 125					

Detection Limit = Detection Limit for Reporting.

DF = Dilution and/or Prep Factor including sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

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Project Number: 241.062.01.002
 Project Name:
 Date Received: 12/15/2004
 P.O. Number: 241.062.01.002
 Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41689-005 Sample ID: SB-3-2 Matrix: Solid Sample Date: 12/15/2004 10:40 AM

Method: EPA 8015 MOD. (Extractable) / EPA 3545 / Pressurized Fluid Extraction, MeCl

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		5	13	mg/Kg	12/16/2004	DS4480B	12/17/2004	DS4480B
TPH as Motor Oil	150		5	50	mg/Kg	12/16/2004	DS4480B	12/17/2004	DS4480B
Surrogate o-Terphenyl	Surrogate Recovery 95.0		Control Limits (%) 41 - 137					Analyzed by: Jhsiang Reviewed by: LGLANTZ	

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

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12/22/2004 4:13:46 PM J. G. Gorman

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Project Number: 241.062.01.002

Project Name:

Date Received: 12/15/2004

P.O. Number: 241.062.01.002

Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41689-005

Sample ID: SB-3-2

Matrix: Solid

Sample Date: 12/15/2004 10:40 AM

Method: EPA 8260B / EPA 5035A / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1,1-Trichloroethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1,2,2-Tetrachloroethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1,2-Trichloroethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1-Dichloroethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1-Dichloroethene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,1-Dichloropropene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,3-Trichlorobenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,3-Trichloropropane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,4-Trichlorobenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2,4-Trimethylbenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dibromo-3-Chloropropane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dibromoethane (EDB)	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dichlorobenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dichloroethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,2-Dichloropropane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,3,5-Trimethylbenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,3-Dichlorobenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,3-Dichloropropane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,4-Dichlorobenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
1,4-Dioxane	ND		0.83	83	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2,2-Dichloropropane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Butanone (MEK)	ND		0.83	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Chloroethyl-vinyl Ether	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Chlorotoluene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
2-Hexanone	ND		0.83	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
4-Chlorotoluene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
4-Methyl-2-Pentanone(MIBK)	ND		0.83	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acetone	ND		0.83	83	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acetonitrile	ND		0.83	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acrolein	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Acrylonitrile	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Benzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Benzyl Chloride	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromobenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromochloromethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromodichloromethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromoform	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Bromomethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Carbon Disulfide	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Carbon Tetrachloride	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chlorobenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chloroethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chloroform	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Chloromethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

Entech Analytical Labs, Inc.

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Phone: (408) 588-0200

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PES Environmental, Inc.
1682 Novato Boulevard, Suite 100
Novato, CA 94947
Attn: Pete Gorman

Project Number: 241.062.01.002
Project Name:
Date Received: 12/15/2004
P.O. Number: 241.062.01.002
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41689-005

Sample ID: SB-3-2

Matrix: Solid

Sample Date: 12/15/2004 10:40 AM

Method: EPA 8260B / EPA 5035A / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
cis-1,3-Dichloropropene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Cyclohexanone	ND		0.83	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Dibromochloromethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Dibromomethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Dichlorodifluoromethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Diisopropyl Ether	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Ethyl Benzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Freon 113	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Hexachlorobutadiene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Iodomethane	ND		0.83	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Isopropanol	ND		0.83	83	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Isopropylbenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Methyl-t-butyl Ether	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Methylene Chloride	ND		0.83	21	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
n-Butylbenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
n-Propylbenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Naphthalene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
p-Isopropyltoluene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Pentachloroethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
sec-Butylbenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Styrene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Amyl Methyl Ether	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Butanol (TBA)	ND		0.83	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Butyl Ethyl Ether	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
tert-Butylbenzene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Tetrachloroethene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Tetrahydrofuran	ND		0.83	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Toluene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
trans-1,2-Dichloroethene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
trans-1,3-Dichloropropene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
trans-1,4-Dichloro-2-butene	ND		0.83	33	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Trichloroethene	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Trichlorofluoromethane	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Vinyl Chloride	ND		0.83	4.2	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Xylenes, Total	ND		0.83	8.3	µg/Kg	N/A	N/A	12/16/2004	SMS3041216
Surrogate	Surrogate Recovery		Control Limits (%)						
4-Bromofluorobenzene	106		75 - 125					Analyzed by: BELA	
Dibromofluoromethane	111		75 - 125					Reviewed by: MTU	
Toluene-d8	114		75 - 125						

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

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PES Environmental, Inc.
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 Attn: Pete Gorman

Project Number: 241.062.01.002
 Project Name:
 Date Received: 12/15/2004
 P.O. Number: 241.062.01.002
 Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41689-005

Sample ID: SB-3-2

Matrix: Solid

Sample Date: 12/15/2004 10:40 AM

Method: GC-MS

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		0.83	42	µg/KG	N/A	N/A	12/16/2004	SMS3041216
Surrogate	Surrogate Recovery		Control Limits (%)						
4-Bromofluorobenzene	106		75	- 125				Analyzed by: BELA	
Dibromofluoromethane	111		75	- 125				Reviewed by: MTU	
Toluene-d8	114		75	- 125					

Detection Limit = Detection Limit for Reporting.

DF = Dilution and/or Prep Factor including sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

12/22/2004 4:08:15 PM • GQueoraleva

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Project Number: 241.062.01.002
 Project Name:
 Date Received: 12/15/2004
 P.O. Number: 241.062.01.002
 Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41689-006

Sample ID: SB-3-7

Matrix: Solid

Sample Date: 12/15/2004 10:45 AM

Method: EPA 8015 MOD. (Extractable) / EPA 3545 / Pressurized Fluid Extraction, MeCl

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		10	25	mg/Kg	12/16/2004	DS4480B	12/18/2004	DS4480B
TPH as Motor Oil	360		10	100	mg/Kg	12/16/2004	DS4480B	12/18/2004	DS4480B

Note: Light oil present in Motor Oil range(C16-C38).

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	77.3	41 - 137

Analyzed by: Jhsiang

Reviewed by: LGLANTZ

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Project Number: 241.062.01.002
Project Name:
Date Received: 12/15/2004
P.O. Number: 241.062.01.002
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41689-006

Sample ID: SB-3-7

Matrix: Solid

Sample Date: 12/15/2004 10:45 AM

Method: EPA 8260B / EPA 5035A / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
1,1,1-Trichloroethane	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
1,1,2,2-Tetrachloroethane	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
1,1,2-Trichloroethane	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
1,1-Dichloroethane	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
1,1-Dichloroethene	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
1,1-Dichloropropene	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
1,2,3-Trichlorobenzene	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
1,2,3-Trichloropropane	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
1,2,4-Trichlorobenzene	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
1,2,4-Trimethylbenzene	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
1,2-Dibromo-3-Chloropropane	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
1,2-Dibromoethane (EDB)	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
1,2-Dichlorobenzene	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
1,2-Dichloroethane	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
1,2-Dichloropropane	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
1,3,5-Trimethylbenzene	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
1,3-Dichlorobenzene	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
1,3-Dichloropropane	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
1,4-Dichlorobenzene	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
1,4-Dioxane	ND		140	14000	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
2,2-Dichloropropane	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
2-Butanone (MEK)	ND		140	5600	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
2-Chloroethyl-vinyl Ether	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
2-Chlorotoluene	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
2-Hexanone	ND		140	5600	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
4-Chlorotoluene	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
4-Methyl-2-Pentanone(MIBK)	ND		140	5600	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Acetone	ND		140	14000	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Acetonitrile	ND		140	5600	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Acrolein	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Acrylonitrile	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Benzene	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Benzyl Chloride	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Bromobenzene	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Bromochloromethane	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Bromodichloromethane	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Bromoform	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Bromomethane	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Carbon Disulfide	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Carbon Tetrachloride	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Chlorobenzene	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Chloroethane	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Chloroform	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Chloromethane	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

12/22/2004 4:24:44 PM - GGucorguieva

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PES Environmental, Inc.
1682 Novato Boulevard, Suite 100
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Attn: Pete Gorman

Project Number: 241.062.01.002
Project Name:
Date Received: 12/15/2004
P.O. Number: 241.062.01.002
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41689-006

Sample ID: SB-3-7

Matrix: Solid

Sample Date: 12/15/2004 10:45 AM

Method: EPA 8260B / EPA 5035A / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
cis-1,3-Dichloropropene	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Cyclohexanone	ND		140	5600	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Dibromochloromethane	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Dibromomethane	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Dichlorodifluoromethane	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Diisopropyl Ether	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Ethyl Benzene	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Freon 113	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Hexachlorobutadiene	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Iodomethane	ND		140	5600	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Isopropanol	ND		140	14000	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Isopropylbenzene	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Methyl-t-butyl Ether	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Methylene Chloride	ND		140	3500	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
n-Butylbenzene	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
n-Propylbenzene	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Naphthalene	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
p-Isopropyltoluene	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Pentachloroethane	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
sec-Butylbenzene	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Styrene	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
tert-Amyl Methyl Ether	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
tert-Butanol (TBA)	ND		140	5600	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
tert-Butyl Ethyl Ether	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
tert-Butylbenzene	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Tetrachloroethene	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Tetrahydrofuran	ND		140	5600	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Toluene	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
trans-1,2-Dichloroethene	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
trans-1,3-Dichloropropene	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
trans-1,4-Dichloro-2-butene	ND		140	5600	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Trichloroethene	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Trichlorofluoromethane	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Vinyl Chloride	ND		140	700	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Xylenes, Total	ND		140	1400	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Surrogate	Surrogate Recovery		Control Limits (%)						
4-Bromofluorobenzene	120		75	-	125				Analyzed by: BDhabalia
Dibromofluoromethane	105		75	-	125				Reviewed by: MTU
Toluene-d8	109		75	-	125				

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

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Project Number: 241.062.01.002
 Project Name:
 Date Received: 12/15/2004
 P.O. Number: 241.062.01.002
 Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41689-006

Sample ID: SB-3-7

Matrix: Solid

Sample Date: 12/15/2004 10:45 AM

Method: GC-MS

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	110000		140	7000	µg/Kg	12/16/2004	PMS041216	12/17/2004	SMS3041216B
Surrogate	Surrogate Recovery		Control Limits (%)						
4-Bromofluorobenzene	120		75	- 125				Analyzed by: BDhabalia	
Dibromofluoromethane	105		75	- 125				Reviewed by: MTU	
Toluene-d8	109		75	- 125					

*** Sample diluted due to heavy hydrocarbons in the sample.

Detection Limit = Detection Limit for Reporting.

DF = Dilution and/or Prep Factor including sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

12/22/2004 4:08:18 PM - GGueorguieva

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 Project Name:
 Date Received: 12/15/2004
 P.O. Number: 241.062.01.002
 Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41689-007 Sample ID: 6390 Shallow Comp Matrix: Solid Sample Date: 12/15/2004 10:50 AM

Method: EPA 8082A

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Aroclor 1221	ND		1	0.1	mg/Kg	12/15/2004	PS7422A	12/16/2004	PS7422A
Aroclor 1232	ND		1	0.1	mg/Kg	12/15/2004	PS7422A	12/16/2004	PS7422A
Aroclor 1242	ND		1	0.1	mg/Kg	12/15/2004	PS7422A	12/16/2004	PS7422A
Aroclor 1248	ND		1	0.1	mg/Kg	12/15/2004	PS7422A	12/16/2004	PS7422A
Aroclor 1254	ND		1	0.1	mg/Kg	12/15/2004	PS7422A	12/16/2004	PS7422A
Aroclor 1260	ND		1	0.1	mg/Kg	12/15/2004	PS7422A	12/16/2004	PS7422A
Aroclor 1262	ND		1	0.1	mg/Kg	12/15/2004	PS7422A	12/16/2004	PS7422A
Aroclor 1268	ND		1	0.1	mg/Kg	12/15/2004	PS7422A	12/16/2004	PS7422A
Surrogate	Surrogate Recovery		Control Limits (%)						
Dccachlorobiphenyl	88.8		43 - 156					Analyzed by: MTran	Reviewed by: MTU

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

12/22/2004 4:08:19 PM - GGucorauieva

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Project Number: 241.062.01.002
 Project Name:
 Date Received: 12/15/2004
 P.O. Number: 241.062.01.002
 Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41689-008

Sample ID: GW-1-12

Matrix: Liquid Sample Date: 12/15/2004 9:00 AM

Method: EPA 8015 MOD. (Extractable) / EPA 3510C / Liq-Liq, Sep Funnel, MeCl

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	7000		5	250	µg/L	12/16/2004	DW4834A	12/17/2004	DW4834A
Note: Lighter oil compounds mix with Diesel(C10-C36).									
TPH as Motor Oil	ND		5	1300	µg/L	12/16/2004	DW4834A	12/17/2004	DW4834A
Surrogate	Surrogate Recovery		Control Limits (%)						
o-Terphenyl	98.5		22	- 133				Analyzed by: Jhsiang	Reviewed by: LGLANTZ

Detection Limit = Detection Limit for Reporting.

DF = Dilution and/or Prep Factor including sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

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Project Number: 241.062.01.002
Project Name:
Date Received: 12/15/2004
P.O. Number: 241.062.01.002
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41689-008

Sample ID: GW-1-12

Matrix: Liquid Sample Date: 12/15/2004 9:00 AM

Method: EPA 8260B / EPA 5030B / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,1,1-Trichloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,1,2,2-Tetrachloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,1,2-Trichloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,1-Dichloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,1-Dichloroethene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,1-Dichloropropane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2,3-Trichlorobenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2,3-Trichloropropane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2,4-Trichlorobenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2,4-Trimethylbenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2-Dibromo-3-Chloropropane	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2-Dibromoethane (EDB)	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2-Dichlorobenzene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2-Dichloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2-Dichloropropane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,3,5-Trimethylbenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,3-Dichlorobenzene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,3-Dichloropropane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,4-Dichlorobenzene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,4-Dioxane	ND		1	50	µg/L	N/A	N/A	12/17/2004	WMS1041217
2,2-Dichloropropane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
2-Butanone (MEK)	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217
2-Chloroethyl-vinyl Ether	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
2-Chlorotoluene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
2-Hexanone	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217
4-Chlorotoluene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
4-Methyl-2-Pentanone(MIBK)	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217
Acetone	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217
Acetonitrile	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Acrolein	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Acrylonitrile	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Benzene	0.81		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Benzyl Chloride	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Bromobenzene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Bromochloromethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Bromodichloromethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Bromoform	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Bromomethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Carbon Disulfide	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Carbon Tetrachloride	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Chlorobenzene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Chloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Chloroform	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Chloromethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

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PES Environmental, Inc.
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Attn: Pete Gorman

Project Number: 241.062.01.002
Project Name:
Date Received: 12/15/2004
P.O. Number: 241.062.01.002
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41689-008

Sample ID: GW-1-12

Matrix: Liquid Sample Date: 12/15/2004 9:00 AM

Method: EPA 8260B / EPA 5030B / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
cis-1,3-Dichloropropene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Cyclohexanone	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217
Dibromochloromethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Dibromomethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Dichlorodifluoromethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Diisopropyl Ether	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Ethyl Benzene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Freon 113	ND		1	1	µg/L	N/A	N/A	12/17/2004	WMS1041217
Hexachlorobutadiene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Iodomethane	ND		1	1	µg/L	N/A	N/A	12/17/2004	WMS1041217
Isopropanol	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217
Isopropylbenzene	ND		1	1	µg/L	N/A	N/A	12/17/2004	WMS1041217
Methyl-t-butyl Ether	ND		1	1	µg/L	N/A	N/A	12/17/2004	WMS1041217
Methylene Chloride	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217
n-Butylbenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
n-Propylbenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Naphthalene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
p-Isopropyltoluene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Pentachloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
sec-Butylbenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Styrene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
tert-Amyl Methyl Ether	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
tert-Butanol (TBA)	ND		1	10	µg/L	N/A	N/A	12/17/2004	WMS1041217
tert-Butyl Ethyl Ether	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
tert-Butylbenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Tetrachloroethene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Tetrahydrofuran	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217
Toluene	0.68		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
trans-1,2-Dichloroethene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
trans-1,3-Dichloropropene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
trans-1,4-Dichloro-2-butene	ND		1	1	µg/L	N/A	N/A	12/17/2004	WMS1041217
Trichloroethene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Trichlorofluoromethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Vinyl Acetate	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Vinyl Chloride	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Xylenes, Total	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Surrogate	Surrogate Recovery	Control Limits (%)							
4-Bromofluorobenzene	88.0	75 - 125		Analyzed by: XB					
Dibromofluoromethane	113	75 - 125		Reviewed by: BDHABALIA					
Toluene-d8	101	75 - 125							

Detection Limit = Detection Limit for Reporting.

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Project Number: 241.062.01.002
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 P.O. Number: 241.062.01.002
 Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41689-008

Sample ID: GW-1-12

Matrix: Liquid Sample Date: 12/15/2004 9:00 AM

Method: GC-MS

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1	25	µg/L	N/A	N/A	12/17/2004	WMS1041217
Surrogate	Surrogate Recovery		Control Limits (%)						
4-Bromofluorobenzene	96.6		75	- 125				Analyzed by: XBian	
Dibromofluoromethane	112		75	- 125				Reviewed by: BDHABALIA	
Toluene-d8	102		75	- 125					

Detection Limit = Detection Limit for Reporting.

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12/22/2004 4:08:22 PM - GGuborszueva

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Project Number: 241.062.01.002
 Project Name:
 Date Received: 12/15/2004
 P.O. Number: 241.062.01.002
 Sampled By: Client

Certificate of Analysis - Data Report

Lab # : 41689-009

Sample ID: GW-2-8

Matrix: Liquid Sample Date: 12/15/2004 10:25 AM

Method: EPA 8015 MOD. (Extractable) / EPA 3510C / Liq-Liq, Sep Funnel, MeCl

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		5	250	µg/L	12/16/2004	DW4834A	12/17/2004	DW4834A
TPH as Motor Oil	3300		5	1300	µg/L	12/16/2004	DW4834A	12/17/2004	DW4834A
Surrogate	Surrogate Recovery		Control Limits (%)						
o-Tcrphenyl	55.0		22 - 133					Analyzed by: Jhsiang	Reviewed by: LGLANTZ

Detection Limit = Detection Limit for Reporting.

DF = Dilution and/or Prep Factor including sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

12/22/2004 4:13:47 PM - GGuzorauieva

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Project Number: 241.062.01.002

Project Name:

Date Received: 12/15/2004

P.O. Number: 241.062.01.002

Sampled By: Client

Certificate of Analysis - Data Report

Lab # : 41689-009

Sample ID: GW-2-8

Matrix: Liquid Sample Date: 12/15/2004 10:25 AM

Method: EPA 8260B / EPA 5030B / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,1,1-Trichloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,1,2,2-Tetrachloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,1,2-Trichloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,1-Dichloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,1-Dichloroethene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,1-Dichloropropene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2,3-Trichlorobenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2,3-Trichloropropane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2,4-Trichlorobenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2,4-Trimethylbenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2-Dibromo-3-Chloropropane	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2-Dibromoethane (EDB)	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2-Dichlorobenzene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2-Dichloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2-Dichloropropane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,3,5-Trimethylbenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,3-Dichlorobenzene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,3-Dichloropropane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,4-Dichlorobenzene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,4-Dioxane	ND		1	50	µg/L	N/A	N/A	12/17/2004	WMS1041217
2,2-Dichloropropane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
2-Butanone (MEK)	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217
2-Chloroethyl-vinyl Ether	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
2-Chlorotoluene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
2-Hexanone	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217
4-Chlorotoluene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
4-Methyl-2-Pentanone(MIBK)	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217
Acetone	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217
Acetonitrile	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Acrolein	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Acrylonitrile	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Benzene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Benzyl Chloride	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Bromobenzene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Bromochloromethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Bromodichloromethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Bromoform	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Bromomethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Carbon Disulfide	0.74		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Carbon Tetrachloride	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Chlorobenzene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Chloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Chloroform	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Chloromethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217

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ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

Entech Analytical Labs, Inc.

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Fax: (408) 588-0201

PES Environmental, Inc.
1682 Novato Boulevard, Suite 100
Novato, CA 94947
Attn: Pete Gorman

Project Number: 241.062.01.002
Project Name:
Date Received: 12/15/2004
P.O. Number: 241.062.01.002
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41689-009

Sample ID: GW-2-8

Matrix: Liquid Sample Date: 12/15/2004 10:25 AM

Method: EPA 8260B / EPA 5030B / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch	
cis-1,2-Dichloroethene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217	
cis-1,3-Dichloropropene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217	
Cyclohexanone	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217	
Dibromochloromethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217	
Dibromomethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217	
Dichlorodifluoromethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217	
Diisopropyl Ether	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217	
Ethyl Benzene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217	
Freon 113	ND		1	1	µg/L	N/A	N/A	12/17/2004	WMS1041217	
Hexachlorobutadiene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217	
Iodomethane	ND		1	1	µg/L	N/A	N/A	12/17/2004	WMS1041217	
Isopropanol	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217	
Isopropylbenzene	ND		1	1	µg/L	N/A	N/A	12/17/2004	WMS1041217	
Methyl-t-butyl Ether	21		1	1	µg/L	N/A	N/A	12/17/2004	WMS1041217	
Methylene Chloride	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217	
n-Butylbenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217	
n-Propylbenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217	
Naphthalene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217	
p-Isopropyltoluene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217	
Pentachloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217	
sec-Butylbenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217	
Styrene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217	
tert-Amyl Methyl Ether	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217	
tert-Butanol (TBA)	ND		1	10	µg/L	N/A	N/A	12/17/2004	WMS1041217	
tert-Butyl Ethyl Ether	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217	
tert-Butylbenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217	
Tetrachloroethene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217	
Tetrahydrofuran	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217	
Toluene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217	
trans-1,2-Dichloroethene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217	
trans-1,3-Dichloropropene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217	
trans-1,4-Dichloro-2-butene	ND		1	1	µg/L	N/A	N/A	12/17/2004	WMS1041217	
Trichloroethene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217	
Trichlorofluoromethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217	
Vinyl Acetate	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217	
Vinyl Chloride	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217	
Xylenes, Total	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217	
Surrogate	Surrogate Recovery	Control Limits (%)								
4-Bromofluorobenzene	89.5	75	-	125	Analyzed by: XB					
Dibromofluoromethane	116	75	-	125	Reviewed by: BDHABALIA					
Toluene-d8	102	75	-	125						

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments,

12/22/2004 4:08:23 PM - GGutorguieva

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PES Environmental, Inc.
 1682 Novato Boulevard, Suite 100
 Novato, CA 94947
 Attn: Pete Gorman

Project Number: 241.062.01.002
 Project Name:
 Date Received: 12/15/2004
 P.O. Number: 241.062.01.002
 Sampled By: Client

Certificate of Analysis - Data Report**Lab # : 41689-009****Sample ID: GW-2-8****Matrix: Liquid Sample Date: 12/15/2004 10:25 AM**

Method: GC-MS

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	37		1	25	µg/L	N/A	N/A	12/17/2004	WMS1041217

Note: Reported TPH as Gasoline value is the result of high concentration of MTBE within the TPH as Gasoline quantitation range.

Surrogate	Surrogate Recovery	Control Limits (%)	Analzyed by: XBian
4-Bromofluorobenzene	98.3	75 - 125	Reviewed by: BDHABALLA
Dibromofluoromethane	115	75 - 125	
Toluene-d8	103	75 - 125	

Detection Limit = Detection Limit for Reporting.

DF = Dilution and/or Prep Factor including sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

12/22/2004 4:08:25 PM - GGueorquiva

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 Date Received: 12/15/2004
 P.O. Number: 241.062.01.002
 Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41689-010

Sample ID: GW-3-8

Matrix: Liquid Sample Date: 12/15/2004 10:55 AM

Method: EPA 8015 MOD. (Extractable) / EPA 3510C / Liq-Liq, Sep Funnel, MeCl

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		5	250	µg/L	12/17/2004	DW4835A	12/20/2004	DW4835A
TPH as Motor Oil	7400		5	1300	µg/L	12/17/2004	DW4835A	12/20/2004	DW4835A

Note: C14-C40

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	106	22 - 133

Analyzed by: Jhsiang

Reviewed by: LGLANTZ

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Certificate of Analysis - Data Report

Lab #: 41689-010

Sample ID: GW-3-8

Matrix: Liquid Sample Date: 12/15/2004 10:55 AM

Method: EPA 8260B / EPA 5030B / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,1,1-Trichloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,1,2,2-Tetrachloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,1,2-Trichloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,1-Dichloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,1-Dichloroethene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,1-Dichloropropene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2,3-Trichlorobenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2,3-Trichloropropane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2,4-Trichlorobenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2,4-Trimethylbenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2-Dibromo-3-Chloropropane	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2-Dibromoethane (EDB)	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2-Dichlorobenzene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2-Dichloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,2-Dichloropropane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,3,5-Trimethylbenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,3-Dichlorobenzene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,3-Dichloropropane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,4-Dichlorobenzene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
1,4-Dioxane	ND		1	50	µg/L	N/A	N/A	12/17/2004	WMS1041217
2,2-Dichloropropane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
2-Butanone (MEK)	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217
2-Chloroethyl-vinyl Ether	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
2-Chlorotoluene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
2-Hexanone	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217
4-Chlorotoluene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
4-Methyl-2-Pentanone(MIBK)	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217
Acetone	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217
Acetonitrile	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Acrolein	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Acrylonitrile	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Benzene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Benzyl Chloride	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Bromobenzene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Bromochloromethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Bromodichloromethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Bromoform	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Bromomethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Carbon Disulfide	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Carbon Tetrachloride	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Chlorobenzene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Chloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Chloroform	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Chloromethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217

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Project Number: 241.062.01.002
Project Name:
Date Received: 12/15/2004
P.O. Number: 241.062.01.002
Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41689-010

Sample ID: GW-3-8

Matrix: Liquid Sample Date: 12/15/2004 10:55 AM

Method: EPA 8260B / EPA 5030B / Purge & Trap

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
cis-1,3-Dichloropropene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Cyclohexanone	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217
Dibromochloromethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Dibromomethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Dichlorodifluoromethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Diisopropyl Ether	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Ethyl Benzene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Freon 113	ND		1	1	µg/L	N/A	N/A	12/17/2004	WMS1041217
Hexachlorobutadiene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Iodomethane	ND		1	1	µg/L	N/A	N/A	12/17/2004	WMS1041217
Isopropanol	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217
Isopropylbenzene	ND		1	1	µg/L	N/A	N/A	12/17/2004	WMS1041217
Methyl-t-butyl Ether	ND		1	1	µg/L	N/A	N/A	12/17/2004	WMS1041217
Methylene Chloride	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217
n-Butylbenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
n-Propylbenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Naphthalene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
p-Isopropyltoluene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Pentachloroethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
sec-Butylbenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Styrene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
tert-Amyl Methyl Ether	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
tert-Butanol (TBA)	ND		1	10	µg/L	N/A	N/A	12/17/2004	WMS1041217
tert-Butyl Ethyl Ether	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
tert-Butylbenzene	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Tetrachloroethene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Tetrahydrofuran	ND		1	20	µg/L	N/A	N/A	12/17/2004	WMS1041217
Toluene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
trans-1,2-Dichloroethene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
trans-1,3-Dichloropropene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
trans-1,4-Dichloro-2-butene	ND		1	1	µg/L	N/A	N/A	12/17/2004	WMS1041217
Trichloroethene	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Trichlorofluoromethane	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Vinyl Acetate	ND		1	5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Vinyl Chloride	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Xylenes, Total	ND		1	0.5	µg/L	N/A	N/A	12/17/2004	WMS1041217
Surrogate	Surrogate Recovery			Control Limits (%)					
4-Bromofluorobenzene	88.5			75 - 125				Analyzed by: XB	
Dibromofluoromethane	113			75 - 125				Reviewed by: BDHABALIA	
Toluene-d8	102			75 - 125					

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

Entech Analytical Labs, Inc.

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PES Environmental, Inc.

1682 Novato Boulevard, Suite 100

Novato, CA 94947

Attn: Pete Gorman

Project Number: 241.062.01.002

Project Name:

Date Received: 12/15/2004

P.O. Number: 241.062.01.002

Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41689-010

Sample ID: GW-3-8

Matrix: Liquid Sample Date: 12/15/2004 10:55 AM

Method: GC-MS

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1	25	µg/L	N/A	N/A	12/17/2004	WMS1041217
Surrogate	Surrogate Recovery		Control Limits (%)						
4-Bromofluorobenzene	97.1		75	- 125				Analyzed by: XBian	
Dibromofluoromethane	112		75	- 125				Reviewed by: BDHABALIA	
Toluene-d8	103		75	- 125					

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

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 Novato, CA 94947
 Attn: Pete Gorman

Project Number: 241.062.01.002
 Project Name:
 Date Received: 12/15/2004
 P.O. Number: 241.062.01.002
 Sampled By: Client

Certificate of Analysis - Data Report

Lab # : 41689-011 Sample ID: (SB-1-2)(SB-1-7)Composite Matrix: Solid Sample Date: 12/15/2004 8:00 AM

Method: EPA 6010B

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Cadmium	ND		1	1	mg/Kg	12/16/2004	SM041216	12/20/2004	SICP2041220
Chromium	49		1	1	mg/Kg	12/16/2004	SM041216	12/20/2004	SICP2041220
Lead	65		1	5	mg/Kg	12/16/2004	SM041216	12/20/2004	SICP2041220
Nickel	47		1	1	mg/Kg	12/16/2004	SM041216	12/20/2004	SICP2041220
Zinc	160		1	2	mg/Kg	12/16/2004	SM041216	12/20/2004	SICP2041220

Analyzed by: Fkha
 Reviewed by: MFELIX

Detection Limit = Detection Limit for Reporting.
 DF = Dilution and/or Prep Factor including sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

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Novato, CA 94947
Attn: Pete Gorman

Project Number: 241.062.01.002
Project Name:
Date Received: 12/15/2004
P.O. Number: 241.062.01.002
Sampled By: Client

Certificate of Analysis - Data Report**Lab # : 41689-012****Sample ID: (SB-2-2)(SB-2-7)Composite****Matrix: Solid****Sample Date: 12/15/2004 9:55 AM****Method: EPA 6010B**

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Cadmium	ND		1	1	mg/Kg	12/16/2004	SM041216	12/20/2004	SICP2041220
Chromium	21		1	1	mg/Kg	12/16/2004	SM041216	12/20/2004	SICP2041220
Lead	ND		1	5	mg/Kg	12/16/2004	SM041216	12/20/2004	SICP2041220
Nickel	23		1	1	mg/Kg	12/16/2004	SM041216	12/20/2004	SICP2041220
Zinc	59		1	2	mg/Kg	12/16/2004	SM041216	12/20/2004	SICP2041220

Analyzed by: Fkha

Reviewed by: MFELIX

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

DF = Dilution and/or Prep Factor including sample volume adjustments.

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 Novato, CA 94947
 Attn: Pete Gorman

Project Number: 241.062.01.002
 Project Name:
 Date Received: 12/15/2004
 P.O. Number: 241.062.01.002
 Sampled By: Client

Certificate of Analysis - Data Report

Lab #: 41689-013 Sample ID: (SB-3-2)(SB-3-7)Composite Matrix: Solid Sample Date: 12/15/2004 10:40 AM

Method: EPA 6010B

Parameter	Result	Flag	DF	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Cadmium	ND		1	1	mg/Kg	12/16/2004	SM041216	12/20/2004	SICP2041220
Chromium	46		1	1	mg/Kg	12/16/2004	SM041216	12/20/2004	SICP2041220
Lead	ND		1	5	mg/Kg	12/16/2004	SM041216	12/20/2004	SICP2041220
Nickel	55		1	1	mg/Kg	12/16/2004	SM041216	12/20/2004	SICP2041220
Zinc	27		1	2	mg/Kg	12/16/2004	SM041216	12/20/2004	SICP2041220

Analyzed by: Fkha

Reviewed by: MFELIX

Detection Limit = Detection Limit for Reporting.

DF = Dilution and/or Prep Factor including sample volume adjustments.

ND = Not Detected at or above the Detection Limit.

12/22/2004 4:08:30 PM

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Quality Control - Method Blank**Solid**

Prep Batch ID: DS4480B

Validated by: LGLANTZ - 12/17/04

QC Batch ID: DS4480B

Prep Date: 12/16/2004

Analysis Date: 12/16/2004

Method Blank		Method: EPA 8015 MOD. (Extractable)			
Parameter		Result	DF	PQLR	Units
TPH as Diesel		ND	1	2.5	mg/Kg
TPH as Kerosene		ND	1	2.5	mg/Kg
TPH as Mineral Spirits (Stoddard)		ND	1	2.5	mg/Kg
TPH as Motor Oil		ND	1	10	mg/Kg
Surrogate for Blank	% Recovery	Control Limits			
o-Terphenyl	101	41 - 137			

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Quality Control - Laboratory Control Spike / Duplicate Results

Solid

Prep Batch ID: DS4480B

Reviewed by: LGLANTZ - 12/17/04

QC Batch ID: DS4480B

Prep Date: 12/16/2004

Analysis Date: 12/16/2004

LCS		Method: EPA 8015 MOD. (Extractable)					Conc. Units: mg/Kg			
Parameter	Blank (MDL)	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits	
TPH as Diesel	<0.7	50.0	45.6	LCS	12/16/2004	91.2			44 - 108	
TPH as Motor Oil	<2.6	50.0	32.5	LCS	12/16/2004	65.0			32 - 130	
Surrogate	% Recovery	Control Limits								
o-Terphenyl	111	41 - 137								

LCSD		Method: EPA 8015 MOD. (Extractable)					Conc. Units: mg/Kg			
Parameter	Blank (MDL)	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits	
TPH as Diesel	<0.7	50.0	50.4	LCSD	12/16/2004	101	10.0	30	44 - 108	
TPH as Motor Oil	<2.6	50.0	33.8	LCSD	12/16/2004	67.6	3.9	30	32 - 130	
Surrogate	% Recovery	Control Limits								
o-Terphenyl	118	41 - 137								

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Quality Control - Method Blank

Liquid

Prep Batch ID: DW4834A

Validated by: LGLANTZ - 12/17/04

QC Batch ID: DW4834A

Prep Date: 12/16/2004

Analysis Date: 12/17/2004

Method Blank		Method: EPA 8015 MOD. (Extractable)			
Parameter	Result	DF	PQLR	Units	
TPH as Diesel	ND	1	50	µg/L	
TPH as Kerosene	ND	1	50	µg/L	
TPH as Mineral Spirits (Stoddard)	ND	1	50	µg/L	
TPH as Motor Oil	ND	1	250	µg/L	
Surrogate for Blank	% Recovery	Control Limits			
o-Terphenyl	108	22 - 133			

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Quality Control - Laboratory Control Spike / Duplicate Results

Liquid

Prep Batch ID: DW4834A

Reviewed by: LGLANTZ - 12/17/04

QC Batch ID: DW4834A

Prep Date: 12/16/2004

Analysis Date: 12/17/2004

LCS		Method: EPA 8015 MOD. (Extractable)					Conc. Units: µg/L		
Parameter	Blank (MDL)	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Diesel	<24	1000	1040	LCS	12/17/2004	104			35 - 109
TPH as Motor Oil	<88	1000	770	LCS	12/17/2004	77.0			30 - 132
Surrogate	% Recovery	Control Limits							
o-Terphenyl	117	22 - 133							

LCSD		Method: EPA 8015 MOD. (Extractable)					Conc. Units: µg/L		
Parameter	Blank (MDL)	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Diesel	<24	1000	1050	LCSD	12/17/2004	105	1.5	25	35 - 109
TPH as Motor Oil	<88	500	777	LCSD	12/17/2004	77.7	0.9	25	30 - 132
Surrogate	% Recovery	Control Limits							
o-Terphenyl	123	22 - 133							

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Quality Control - Method Blank

Liquid

Prep Batch ID: DW4835A

Validated by: LGLANTZ - 12/20/04

QC Batch ID: DW4835A

Prep Date: 12/17/2004

Analysis Date: 12/17/2004

Method Blank		Method: EPA 8015 MOD. (Extractable)			
Parameter		Result	DF	PQLR	Units
TPH as Diesel		ND	1	50	µg/L
TPH as Kerosene		ND	1	50	µg/L
TPH as Mineral Spirits (Stoddard)		ND	1	50	µg/L
TPH as Motor Oil		ND	1	250	µg/L
Surrogate for Blank	% Recovery	Control Limits			
o-Terphenyl	98.0	22 - 133			

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Quality Control - Laboratory Control Spike / Duplicate Results

Liquid

Prep Batch ID: DW4835A

Reviewed by: LGLANTZ - 12/20/04

QC Batch ID: DW4835A

Prep Date: 12/17/2004

Analysis Date: 12/17/2004

LCS		Method: EPA 8015 MOD. (Extractable)					Conc. Units: µg/L		
Parameter	Blank (MDL)	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Diesel	<24	1000	1080	LCS	12/17/2004	108			35 - 109
TPH as Motor Oil	<88	1000	710	LCS	12/17/2004	71.0			30 - 132
Surrogate		% Recovery	Control Limits						
o-Terphenyl		120	22 - 133						

LCSD		Method: EPA 8015 MOD. (Extractable)					Conc. Units: µg/L		
Parameter	Blank (MDL)	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Diesel	<24	1000	1070	LCSD	12/17/2004	107	1.7	25	35 - 109
TPH as Motor Oil	<88	500	710	LCSD	12/17/2004	71.0	0.0	25	30 - 132
Surrogate		% Recovery	Control Limits						
o-Terphenyl		119	22 - 133						

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Quality Control - Method Blank

Solid

Prep Batch ID: PS7422A

Validated by: MTU - 12/16/04

QC Batch ID: PS7422A

Prep Date: 12/15/2004

Analysis Date: 12/15/2004

Method Blank		Method: EPA 8082A			
Parameter	Result	DF	PQLR	Units	
Aroclor 1221	ND	1	0.1	mg/Kg	
Aroclor 1232	ND	1	0.1	mg/Kg	
Aroclor 1242	ND	1	0.1	mg/Kg	
Aroclor 1248	ND	1	0.1	mg/Kg	
Aroclor 1254	ND	1	0.1	mg/Kg	
Aroclor 1260	ND	1	0.1	mg/Kg	
Aroclor 1262	ND	1	0.1	mg/Kg	
Aroclor 1268	ND	1	0.1	mg/Kg	
Surrogate for Blank	% Recovery	Control Limits			
Decachlorobiphenyl	105	43 - 156			

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Quality Control - Laboratory Control Spike / Duplicate Results

Solid

Prep Batch ID: PS7422A

Reviewed by: MTU - 12/16/04

QC Batch ID: PS7422A

Prep Date: 12/15/2004

Analysis Date: 12/15/2004

LCS		Method: EPA 8082A					Conc. Units: mg/Kg		
Parameter	Blank (MDL)	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
Aroclor 1260	<0.004	0.200	0.224	LCS	12/15/2004	112			75 - 143
Surrogate	% Recovery	Control Limits							
Decachlorobiphenyl	103	43 - 156							

LCSD		Method: EPA 8082A					Conc. Units: mg/Kg		
Parameter	Blank (MDL)	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
Aroclor 1260	<0.004	0.200	0.227	LCSD	12/15/2004	114	1.4	30	75 - 143
Surrogate	% Recovery	Control Limits							
Decachlorobiphenyl	103	43 - 156							

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Quality Control - Method Blank

Solid

Prep Batch ID: SM041216

Validated by: MFELIX - 12/20/04

QC Batch ID: SICP2041220

Prep Date: 12/16/2004

Analysis Date: 12/20/2004

Method Blank

Method: EPA 6010B

Parameter	Result	DF	PQLR	Units
Cadmium	ND	1	1	mg/Kg
Chromium	ND	1	1	mg/Kg
Lead	ND	1	5	mg/Kg
Nickel	ND	1	1	mg/Kg
Zinc	ND	1	2	mg/Kg

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Quality Control - Laboratory Control Spike / Duplicate Results

Solid

Prep Batch ID: SM041216

Reviewed by: MFELIX - 12/20/04

QC Batch ID: SICP2041220

Prep Date: 12/16/2004

Analysis Date: 12/20/2004

LCS Parameter	Method: EPA 6010B		SpikeResult	QC Type	Analysis Date	% Recovery	Conc. Units: mg/Kg		
	Blank (MDL)	Spike Amt					RPD	RPD Limits	Recovery Limits
Cadmium	<0.32	50.0	43.4	LCS	12/20/2004	86.8			75 - 125
Chromium	<0.4	50.0	47.6	LCS	12/20/2004	95.1			75 - 125
Lead	<2.1	50.0	46.0	LCS	12/20/2004	91.9			75 - 125
Nickel	<0.65	50.0	46.0	LCS	12/20/2004	92.0			75 - 125
Zinc	<1.7	50.0	43.0	LCS	12/20/2004	85.9			75 - 125

LCSD Parameter	Method: EPA 6010B		SpikeResult	QC Type	Analysis Date	% Recovery	Conc. Units: mg/Kg		
	Blank (MDL)	Spike Amt					RPD	RPD Limits	Recovery Limits
Cadmium	<0.32	50.0	43.0	LCSD	12/20/2004	86.0	0.9	30	75 - 125
Chromium	<0.4	50.0	47.5	LCSD	12/20/2004	95.1	0.0	30	75 - 125
Lead	<2.1	50.0	44.8	LCSD	12/20/2004	89.7	2.5	30	75 - 125
Nickel	<0.65	50.0	45.9	LCSD	12/20/2004	91.8	0.3	30	75 - 125
Zinc	<1.7	50.0	43.3	LCSD	12/20/2004	86.5	0.7	30	75 - 125

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Quality Control - Method Blank

Solid

Validated by: MTU - 12/17/04

QC Batch ID: SMS3041216

Analysis Date: 12/16/2004

Method Blank	Method: EPA 8260B				
Parameter	Result	DF	PQLR	Units	
1,1,1,2-Tetrachloroethane	ND	1	5	µg/Kg	
1,1,1-Trichloroethane	ND	1	5	µg/Kg	
1,1,2,2-Tetrachloroethane	ND	1	5	µg/Kg	
1,1,2-Trichloroethane	ND	1	5	µg/Kg	
1,1-Dichloroethane	ND	1	5	µg/Kg	
1,1-Dichloroethene	ND	1	5	µg/Kg	
1,1-Dichloropropene	ND	1	5	µg/Kg	
1,2,3-Trichlorobenzene	ND	1	5	µg/Kg	
1,2,3-Trichloropropane	ND	1	5	µg/Kg	
1,2,4-Trichlorobenzene	ND	1	5	µg/Kg	
1,2,4-Trimethylbenzene	ND	1	5	µg/Kg	
1,2-Dibromo-3-Chloropropane	ND	1	5	µg/Kg	
1,2-Dibromoethane (EDB)	ND	1	5	µg/Kg	
1,2-Dichlorobenzene	ND	1	5	µg/Kg	
1,2-Dichloroethane	ND	1	5	µg/Kg	
1,2-Dichloropropane	ND	1	5	µg/Kg	
1,3,5-Trimethylbenzene	ND	1	5	µg/Kg	
1,3-Dichlorobenzene	ND	1	5	µg/Kg	
1,3-Dichloropropane	ND	1	5	µg/Kg	
1,4-Dichlorobenzene	ND	1	5	µg/Kg	
1,4-Dioxane	ND	1	100	µg/Kg	
2,2-Dichloropropane	ND	1	5	µg/Kg	
2-Butanone (MEK)	ND	1	40	µg/Kg	
2-Chloroethyl-vinyl Ether	ND	1	5	µg/Kg	
2-Chlorotoluene	ND	1	5	µg/Kg	
2-Hexanone	ND	1	40	µg/Kg	
4-Chlorotoluene	ND	1	5	µg/Kg	
4-Methyl-2-Pentanone(MIBK)	ND	1	40	µg/Kg	
Acetone	ND	1	100	µg/Kg	
Acetonitrile	ND	1	40	µg/Kg	
Acrolein	ND	1	5	µg/Kg	
Acrylonitrile	ND	1	5	µg/Kg	
Benzene	ND	1	5	µg/Kg	
Benzyl Chloride	ND	1	5	µg/Kg	
Bromobenzene	ND	1	5	µg/Kg	
Bromochloromethane	ND	1	5	µg/Kg	
Bromodichloromethane	ND	1	5	µg/Kg	
Bromoform	ND	1	5	µg/Kg	
Bromomethane	ND	1	5	µg/Kg	
Carbon Disulfide	ND	1	5	µg/Kg	
Carbon Tetrachloride	ND	1	5	µg/Kg	
Chlorobenzene	ND	1	5	µg/Kg	
Chloroethane	ND	1	5	µg/Kg	
Chloroform	ND	1	5	µg/Kg	
Chloromethane	ND	1	5	µg/Kg	

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Quality Control - Method Blank

Solid

Validated by: MTU - 12/17/04

QC Batch ID: SMS3041216

Analysis Date: 12/16/2004

Method Blank	Method: EPA 8260B				
Parameter	Result	DF	PQLR	Units	
cis-1,2-Dichloroethene	ND	1	5	µg/Kg	
cis-1,3-Dichloropropene	ND	1	5	µg/Kg	
Cyclohexanone	ND	1	40	µg/Kg	
Dibromochloromethane	ND	1	5	µg/Kg	
Dibromomethane	ND	1	5	µg/Kg	
Dichlorodifluoromethane	ND	1	5	µg/Kg	
Diisopropyl Ether	ND	1	5	µg/Kg	
Ethyl Benzene	ND	1	5	µg/Kg	
Freon 113	ND	1	5	µg/Kg	
Hexachlorobutadiene	ND	1	5	µg/Kg	
Iodomethane	ND	1	40	µg/Kg	
Isopropanol	ND	1	100	µg/Kg	
Isopropylbenzene	ND	1	5	µg/Kg	
Methyl-t-butyl Ether	ND	1	5	µg/Kg	
Methylene Chloride	ND	1	25	µg/Kg	
n-Butylbenzene	ND	1	5	µg/Kg	
n-Propylbenzene	ND	1	5	µg/Kg	
Naphthalene	ND	1	5	µg/Kg	
p-Isopropyltoluene	ND	1	5	µg/Kg	
Pentachloroethane	ND	1	5	µg/Kg	
sec-Butylbenzene	ND	1	5	µg/Kg	
Styrene	ND	1	5	µg/Kg	
tert-Amyl Methyl Ether	ND	1	5	µg/Kg	
tert-Butanol (TBA)	ND	1	40	µg/Kg	
tert-Butyl Ethyl Ether	ND	1	5	µg/Kg	
tert-Butylbenzene	ND	1	5	µg/Kg	
Tetrachloroethene	ND	1	5	µg/Kg	
Tetrahydrofuran	ND	1	40	µg/Kg	
Toluene	ND	1	5	µg/Kg	
trans-1,2-Dichloroethene	ND	1	5	µg/Kg	
trans-1,3-Dichloropropene	ND	1	5	µg/Kg	
trans-1,4-Dichloro-2-butene	ND	1	40	µg/Kg	
Trichloroethene	ND	1	5	µg/Kg	
Trichlorofluoromethane	ND	1	5	µg/Kg	
Vinyl Chloride	ND	1	5	µg/Kg	
Xylenes, Total	ND	1	10	µg/Kg	
Surrogate for Blank	% Recovery	Control Limits			
4-Bromofluorobenzene	95.3	75 - 125			
Dibromofluoromethane	105	75 - 125			
Toluene-d8	113	75 - 125			

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Quality Control - Method Blank

Solid

Validated by: MTU - 12/17/04

QC Batch ID: SMS3041216

Analysis Date: 12/16/2004

Method Blank		Method: EPA 8260B		Result	DF	PQLR	Units
Parameter				ND	1	50	µg/Kg
TPH as Gasoline							
Surrogate for Blank	% Recovery	Control Limits					
4-Bromofluorobenzene	95.3	75 - 125					
Dibromofluoromethane	105	75 - 125					
Toluene-d8	113	75 - 125					

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Quality Control - Laboratory Control Spike / Duplicate Results

Solid

Reviewed by: MTU - 12/20/04

QC Batch ID: SMS3041216

Analysis Date: 12/16/2004

LCS Parameter	Method: EPA 8260B		SpikeResult	QC Type	Analysis Date	% Recovery	Conc. Units: µg/Kg		
	Blank (MDL)	Spike Amt					RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.3	40.0	38.4	LCS	12/16/2004	96.0			70 - 130
Benzene	<0.2	40.0	46.7	LCS	12/16/2004	117			70 - 130
Chlorobenzene	<0.2	40.0	41.8	LCS	12/16/2004	104			70 - 130
Methyl-t-butyl Ether	<0.5	40.0	33.5	LCS	12/16/2004	83.8			70 - 130
Toluene	<0.5	40.0	45.7	LCS	12/16/2004	114			70 - 130
Trichloroethene	<0.5	40.0	44.3	LCS	12/16/2004	111			70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	102	75 - 125
Dibromofluoromethane	109	75 - 125
Toluene-d8	105	75 - 125

LCSD Parameter	Method: EPA 8260B		SpikeResult	QC Type	Analysis Date	% Recovery	Conc. Units: µg/Kg		
	Blank (MDL)	Spike Amt					RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.3	40.0	41.3	LCSD	12/16/2004	103	7.3	30	70 - 130
Benzene	<0.2	40.0	46.5	LCSD	12/16/2004	116	0.3	30	70 - 130
Chlorobenzene	<0.2	40.0	43.7	LCSD	12/16/2004	109	4.5	30	70 - 130
Methyl-t-butyl Ether	<0.5	40.0	35.6	LCSD	12/16/2004	89.0	6.0	30	70 - 130
Toluene	<0.5	40.0	47.5	LCSD	12/16/2004	119	3.8	30	70 - 130
Trichloroethene	<0.5	40.0	41.8	LCSD	12/16/2004	105	5.9	30	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	100	75 - 125
Dibromofluoromethane	111	75 - 125
Toluene-d8	106	75 - 125

LCS Parameter	Method: GC-MS		SpikeResult	QC Type	Analysis Date	% Recovery	Conc. Units: µg/KG		
	Blank (MDL)	Spike Amt					RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<9	250	240	LCS	12/16/2004	96.1			70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	102	75 - 125
Dibromofluoromethane	106	75 - 125
Toluene-d8	109	75 - 125

LCSD Parameter	Method: GC-MS		SpikeResult	QC Type	Analysis Date	% Recovery	Conc. Units: µg/kg		
	Blank (MDL)	Spike Amt					RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<9	250	245	LCSD	12/16/2004	97.8	1.8	30	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	92.5	75 - 125
Dibromofluoromethane	108	75 - 125
Toluene-d8	106	75 - 125

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Quality Control - Method Blank

Solid

Prep Batch ID: PMS041216

Validated by: MTU - 12/17/04

QC Batch ID: SMS3041216B

Prep Date: 12/16/2004

Analysis Date: 12/16/2004

Method Blank1

Method: EPA 8260B

Parameter	Result	DF	PQLR	Units
1,1,1,2-Tetrachloroethane	ND	50	250	µg/Kg
1,1,1-Trichloroethane	ND	50	250	µg/Kg
1,1,2,2-Tetrachloroethane	ND	50	250	µg/Kg
1,1,2-Trichloroethane	ND	50	250	µg/Kg
1,1-Dichloroethane	ND	50	250	µg/Kg
1,1-Dichloroethene	ND	50	250	µg/Kg
1,1-Dichloropropene	ND	50	250	µg/Kg
1,2,3-Trichlorobenzene	ND	50	250	µg/Kg
1,2,3-Trichloropropane	ND	50	250	µg/Kg
1,2,4-Trichlorobenzene	ND	50	250	µg/Kg
1,2,4-Trimethylbenzene	ND	50	250	µg/Kg
1,2-Dibromo-3-Chloropropane	ND	50	250	µg/Kg
1,2-Dibromoethane (EDB)	ND	50	250	µg/Kg
1,2-Dichlorobenzene	ND	50	250	µg/Kg
1,2-Dichloroethane	ND	50	250	µg/Kg
1,2-Dichloropropane	ND	50	250	µg/Kg
1,3,5-Trimethylbenzene	ND	50	250	µg/Kg
1,3-Dichlorobenzene	ND	50	250	µg/Kg
1,3-Dichloropropane	ND	50	250	µg/Kg
1,4-Dichlorobenzene	ND	50	250	µg/Kg
1,4-Dioxane	ND	50	5000	µg/Kg
2,2-Dichloropropane	ND	50	250	µg/Kg
2-Butanone (MEK)	ND	50	2000	µg/Kg
2-Chloroethyl-vinyl Ether	ND	50	250	µg/Kg
2-Chlorotoluene	ND	50	250	µg/Kg
2-Hexanone	ND	50	2000	µg/Kg
4-Chlorotoluene	ND	50	250	µg/Kg
4-Methyl-2-Pentanone(MIBK)	ND	50	2000	µg/Kg
Acetone	ND	50	5000	µg/Kg
Acetonitrile	ND	50	2000	µg/Kg
Acrolein	ND	50	250	µg/Kg
Acrylonitrile	ND	50	250	µg/Kg
Benzene	ND	50	250	µg/Kg
Benzyl Chloride	ND	50	250	µg/Kg
Bromobenzene	ND	50	250	µg/Kg
Bromochloromethane	ND	50	250	µg/Kg
Bromodichloromethane	ND	50	250	µg/Kg
Bromoform	ND	50	250	µg/Kg
Bromomethane	ND	50	250	µg/Kg
Carbon Disulfide	ND	50	250	µg/Kg
Carbon Tetrachloride	ND	50	250	µg/Kg
Chlorobenzene	ND	50	250	µg/Kg
Chloroethane	ND	50	250	µg/Kg
Chloroform	ND	50	250	µg/Kg
Chloromethane	ND	50	250	µg/Kg

Entech Analytical Labs, Inc.

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Quality Control - Method Blank

Solid

Prep Batch ID: PMS041216

Validated by: MTU - 12/17/04

QC Batch ID: SMS3041216B

Prep Date: 12/16/2004

Analysis Date: 12/16/2004

Method Blank1	Method: EPA 8260B				
Parameter	Result	DF	PQLR	Units	
cis-1,2-Dichloroethene	ND	50	250	µg/Kg	
cis-1,3-Dichloropropene	ND	50	250	µg/Kg	
Cyclohexanone	ND	50	2000	µg/Kg	
Dibromochloromethane	ND	50	250	µg/Kg	
Dibromomethane	ND	50	250	µg/Kg	
Dichlorodifluoromethane	ND	50	250	µg/Kg	
Diisopropyl Ether	ND	50	250	µg/Kg	
Ethyl Benzene	ND	50	250	µg/Kg	
Freon 113	ND	50	250	µg/Kg	
Hexachlorobutadiene	ND	50	250	µg/Kg	
Iodomethane	ND	50	2000	µg/Kg	
Isopropanol	ND	50	5000	µg/Kg	
Isopropylbenzene	ND	50	250	µg/Kg	
Methyl-t-butyl Ether	ND	50	250	µg/Kg	
Methylene Chloride	ND	50	1250	µg/Kg	
n-Butylbenzene	ND	50	250	µg/Kg	
n-Propylbenzene	ND	50	250	µg/Kg	
Naphthalene	ND	50	250	µg/Kg	
p-Isopropyltoluene	ND	50	250	µg/Kg	
Pentachloroethane	ND	50	250	µg/Kg	
sec-Butylbenzene	ND	50	250	µg/Kg	
Styrene	ND	50	250	µg/Kg	
tert-Amyl Methyl Ether	ND	50	250	µg/Kg	
tert-Butanol (TBA)	ND	50	2000	µg/Kg	
tert-Butyl Ethyl Ether	ND	50	250	µg/Kg	
tert-Butylbenzene	ND	50	250	µg/Kg	
Tetrachloroethene	ND	50	250	µg/Kg	
Tetrahydrofuran	ND	50	2000	µg/Kg	
Toluene	ND	50	250	µg/Kg	
trans-1,2-Dichloroethene	ND	50	250	µg/Kg	
trans-1,3-Dichloropropene	ND	50	250	µg/Kg	
trans-1,4-Dichloro-2-butene	ND	50	2000	µg/Kg	
Trichloroethene	ND	50	250	µg/Kg	
Trichlorofluoromethane	ND	50	250	µg/Kg	
Vinyl Chloride	ND	50	250	µg/Kg	
Xylenes, Total	ND	50	500	µg/Kg	
Surrogate for Blank	% Recovery	Control Limits			
4-Bromofluorobenzene	106	75 - 125			
Dibromofluoromethane	102	75 - 125			
Toluene-d8	112	75 - 125			

Entech Analytical Labs, Inc.

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Quality Control - Laboratory Control Spike / Duplicate Results

Solid

Prep Batch ID: PMS041216

Reviewed by: MTU - 12/17/04

QC Batch ID: SMS3041216B

Prep Date: 12/16/2004

Analysis Date: 12/16/2004

LCS1 Parameter	Method: EPA 8260B		Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	Conc. Units: µg/Kg		
	Blank (MDL)							RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.3		2000	1910	LCS1	12/16/2004	95.7			70 - 130
Benzene	<0.2		2000	2200	LCS1	12/16/2004	110			70 - 130
Chlorobenzene	<0.2		2000	2030	LCS1	12/16/2004	101			70 - 130
Methyl-t-butyl Ether	<0.5		2000	1610	LCS1	12/16/2004	80.4			70 - 130
Toluene	<0.5		2000	2340	LCS1	12/16/2004	117			70 - 130
Trichloroethene	<0.5		2000	1940	LCS1	12/16/2004	97.0			70 - 130
Surrogate	% Recovery	Control Limits								
4-Bromofluorobenzene	108	75 - 125								
Dibromofluoromethane	111	75 - 125								
Toluene-d8	115	75 - 125								

LCSD1 Parameter	Method: EPA 8260B		Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	Conc. Units: µg/Kg		
	Blank (MDL)							RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.3		2000	1820	LCSD1	12/16/2004	91.2	4.8	30	70 - 130
Benzene	<0.2		2000	2150	LCSD1	12/16/2004	108	2.3	30	70 - 130
Chlorobenzene	<0.2		2000	1810	LCSD1	12/16/2004	90.5	11.4	30	70 - 130
Methyl-t-butyl Ether	<0.5		2000	1410	LCSD1	12/16/2004	70.4	13.3	30	70 - 130
Toluene	<0.5		2000	2030	LCSD1	12/16/2004	101	14.3	30	70 - 130
Trichloroethene	<0.5		2000	1860	LCSD1	12/16/2004	93.2	4.0	30	70 - 130
Surrogate	% Recovery	Control Limits								
4-Bromofluorobenzene	104	75 - 125								
Dibromofluoromethane	116	75 - 125								
Toluene-d8	107	75 - 125								

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Quality Control - Method Blank

Liquid

Validated by: BDHABALIA - 12/21/04

QC Batch ID: WMS1041217

Analysis Date: 12/17/2004

Method Blank	Method: EPA 8260B	Result	DF	PQLR	Units
Parameter					
1,1,1,2-Tetrachloroethane		ND	1	0.5	µg/L
1,1,1-Trichloroethane		ND	1	0.5	µg/L
1,1,2,2-Tetrachloroethane		ND	1	0.5	µg/L
1,1,2-Trichloroethane		ND	1	0.5	µg/L
1,1-Dichloroethane		ND	1	0.5	µg/L
1,1-Dichloroethene		ND	1	0.5	µg/L
1,1-Dichloropropene		ND	1	0.5	µg/L
1,2,3-Trichlorobenzene		ND	1	5	µg/L
1,2,3-Trichloropropane		ND	1	0.5	µg/L
1,2,4-Trichlorobenzene		ND	1	5	µg/L
1,2,4-Trimethylbenzene		ND	1	5	µg/L
1,2-Dibromo-3-Chloropropane		ND	1	5	µg/L
1,2-Dibromoethane (EDB)		ND	1	0.5	µg/L
1,2-Dichlorobenzene		ND	1	0.5	µg/L
1,2-Dichloroethane		ND	1	0.5	µg/L
1,2-Dichloropropane		ND	1	0.5	µg/L
1,3,5-Trimethylbenzene		ND	1	5	µg/L
1,3-Dichlorobenzene		ND	1	0.5	µg/L
1,3-Dichloropropane		ND	1	0.5	µg/L
1,4-Dichlorobenzene		ND	1	0.5	µg/L
1,4-Dioxane		ND	1	50	µg/L
2,2-Dichloropropane		ND	1	0.5	µg/L
2-Butanone (MEK)		ND	1	20	µg/L
2-Chloroethyl-vinyl Ether		ND	1	5	µg/L
2-Chlorotoluene		ND	1	5	µg/L
2-Hexanone		ND	1	20	µg/L
4-Chlorotoluene		ND	1	5	µg/L
4-Methyl-2-Pentanone(MIBK)		ND	1	20	µg/L
Acetone		ND	1	20	µg/L
Acetonitrile		ND	1	5	µg/L
Acrolein		ND	1	5	µg/L
Acrylonitrile		ND	1	5	µg/L
Benzene		ND	1	0.5	µg/L
Benzyl Chloride		ND	1	5	µg/L
Bromobenzene		ND	1	0.5	µg/L
Bromochloromethane		ND	1	0.5	µg/L
Bromodichloromethane		ND	1	0.5	µg/L
Bromoform		ND	1	0.5	µg/L
Bromomethane		ND	1	0.5	µg/L
Carbon Disulfide		ND	1	0.5	µg/L
Carbon Tetrachloride		ND	1	0.5	µg/L
Chlorobenzene		ND	1	0.5	µg/L
Chloroethane		ND	1	0.5	µg/L
Chloroform		ND	1	0.5	µg/L
Chloromethane		ND	1	0.5	µg/L

Entech Analytical Labs, Inc.

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Quality Control - Method Blank

Liquid

Validated by: BDHABALIA - 12/21/04

QC Batch ID: WMS1041217

Analysis Date: 12/17/2004

Method Blank	Method: EPA 8260B				
Parameter	Result	DF	PQLR	Units	
cis-1,2-Dichloroethene	ND	1	0.5	µg/L	
cis-1,3-Dichloropropene	ND	1	0.5	µg/L	
Cyclohexanone	ND	1	20	µg/L	
Dibromochloromethane	ND	1	0.5	µg/L	
Dibromomethane	ND	1	0.5	µg/L	
Dichlorodifluoromethane	ND	1	0.5	µg/L	
Diisopropyl Ether	ND	1	5	µg/L	
Ethyl Benzene	ND	1	0.5	µg/L	
Freon 113	ND	1	1	µg/L	
Hexachlorobutadiene	ND	1	5	µg/L	
Iodomethane	ND	1	1	µg/L	
Isopropanol	ND	1	20	µg/L	
Isopropylbenzene	ND	1	1	µg/L	
Methyl-t-butyl Ether	ND	1	1	µg/L	
Methylene Chloride	ND	1	20	µg/L	
n-Butylbenzene	ND	1	5	µg/L	
n-Propylbenzene	ND	1	5	µg/L	
Naphthalene	ND	1	5	µg/L	
p-Isopropyltoluene	ND	1	5	µg/L	
Pentachloroethane	ND	1	0.5	µg/L	
sec-Butylbenzene	ND	1	5	µg/L	
Styrene	ND	1	0.5	µg/L	
tert-Amyl Methyl Ether	ND	1	5	µg/L	
tert-Butanol (TBA)	ND	1	10	µg/L	
tert-Butyl Ethyl Ether	ND	1	5	µg/L	
tert-Butylbenzene	ND	1	5	µg/L	
Tetrachloroethene	ND	1	0.5	µg/L	
Tetrahydrofuran	ND	1	20	µg/L	
Toluene	ND	1	0.5	µg/L	
trans-1,2-Dichloroethene	ND	1	0.5	µg/L	
trans-1,3-Dichloropropene	ND	1	0.5	µg/L	
trans-1,4-Dichloro-2-butene	ND	1	1	µg/L	
Trichloroethene	ND	1	0.5	µg/L	
Trichlorofluoromethane	ND	1	0.5	µg/L	
Vinyl Acetate	ND	1	5	µg/L	
Vinyl Chloride	ND	1	0.5	µg/L	
Xylenes, Total	ND	1	0.5	µg/L	
Surrogate for Blank	% Recovery	Control Limits			
4-Bromofluorobenzene	88.8	75 - 125			
Dibromofluoromethane	98.7	75 - 125			
Toluene-d8	97.6	75 - 125			

Entech Analytical Labs, Inc.

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Quality Control - Method Blank

Liquid

Validated by: BDHABALIA - 12/21/04

QC Batch ID: WMS1041217

Analysis Date: 12/17/2004

Method Blank

Method: EPA 8260B

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	25	µg/L
Surrogate for Blank	% Recovery	Control Limits		
4-Bromofluorobenzene	97.4	75 - 125		
Dibromofluoromethane	97.8	75 - 125		
Toluene-d8	98.9	75 - 125		

Entech Analytical Labs, Inc.

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Quality Control - Laboratory Control Spike / Duplicate Results

Liquid

Reviewed by: BDHABALIA - 12/21/04

QC Batch ID: WMS1041217

Analysis Date: 12/17/2004

LCS	Method: EPA 8260B		Conc. Units: µg/L						
Parameter	Blank (MDL)	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.2	20.0	19.3	LCS	12/17/2004	96.5			80 - 120
Benzene	<0.2	20.0	20.4	LCS	12/17/2004	102			80 - 120
Chlorobenzene	<0.2	20.0	20.8	LCS	12/17/2004	104			80 - 120
Methyl-t-butyl Ether	<0.3	20.0	17.8	LCS	12/17/2004	89.0			80 - 120
Toluene	<0.2	20.0	19.5	LCS	12/17/2004	97.5			80 - 120
Trichloroethene	<0.2	20.0	19.7	LCS	12/17/2004	98.5			80 - 120
Surrogate	% Recovery	Control Limits							
4-Bromofluorobenzene	91.5	75 - 125							
Dibromofluoromethane	107	75 - 125							
Toluene-d8	97.1	75 - 125							

LCSD	Method: EPA 8260B		Conc. Units: µg/L						
Parameter	Blank (MDL)	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.2	20.0	19.8	LCSD	12/17/2004	99.0	2.6	25	80 - 120
Benzene	<0.2	20.0	21.4	LCSD	12/17/2004	107	4.8	25	80 - 120
Chlorobenzene	<0.2	20.0	21.9	LCSD	12/17/2004	109	5.2	25	80 - 120
Methyl-t-butyl Ether	<0.3	20.0	20.6	LCSD	12/17/2004	103	14.6	25	80 - 120
Toluene	<0.2	20.0	20.4	LCSD	12/17/2004	102	4.5	25	80 - 120
Trichloroethene	<0.2	20.0	20.9	LCSD	12/17/2004	105	5.9	25	80 - 120
Surrogate	% Recovery	Control Limits							
4-Bromofluorobenzene	90.1	75 - 125							
Dibromofluoromethane	107	75 - 125							
Toluene-d8	95.9	75 - 125							

LCS	Method: GC-MS		Conc. Units: µg/L						
Parameter	Blank (MDL)	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<6.45	125	127	LCS	12/17/2004	101			65 - 135
Surrogate	% Recovery	Control Limits							
4-Bromofluorobenzene	99.1	75 - 125							
Dibromofluoromethane	95	75 - 125							
Toluene-d8	99	75 - 125							

LCSD	Method: GC-MS		Conc. Units: µg/L						
Parameter	Blank (MDL)	Spike Amt	SpikeResult	QC Type	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<6.45	125	113	LCSD	12/17/2004	90.0	12.0	25	65 - 135
Surrogate	% Recovery	Control Limits							
4-Bromofluorobenzene	98.1	75 - 125							
Dibromofluoromethane	91.4	75 - 125							
Toluene-d8	99.2	75 - 125							

CHAIN OF CUSTODY RECORD

LABORATORY: Entech
 JOB NUMBER: 201.062.01.002
 NAME / LOCATION: Christie Ave (6390)
 PROJECT MANAGER: _____

SAMPLERS: PDG, SP
 RECORDER: PDG

DATE				SAMPLE NUMBER / DESIGNATION
YR	MO	DAY	TIME	
04	12	15	0800	SB-1-2
			805	SB-1-7
			955	SB-2-2
			1000	SB-2-7
			1040	SB-3-2
			1045	SB-3-7
			1050	6370 Shallow Comp
			0900	GW-1-12
			1025	GW-2-8
			1055	GW-3-8

MATRIX				# of Containers & Preservatives					DEPTH IN FEET
Vapor	Water	Soil	Sedim't	Unpres.	EnCore	H ₂ SO ₄	HNO ₃	HCl	
		X		1	3				41689-001
		X		1	3				-002
		X		1	3				-003
		X		1	3				-004
		X		1	3				-005
		X		1	3				-006
		X		1				3	-008
	X			2				3	-009
	X			2				3	-010

ANALYSIS REQUESTED										
EPA 5035/8010										
EPA 5035/8021										
EPA 5035/8260B VOA's TPHg	X									
TPHg by 5035/8015M	X	X								
TPHd by 8015M	X	X								
TPHmo by 8015M	X	X								
EPA 8270C										
MNA Parameters (see notes)										
8022A - PCBs										
PAHs										
- Composite Samples *										
LUST 5 Metals										

NOTES

Turn Around Time: Standard

* After extracting soil for the other analyses, please combine the "SB-1"'s together, the "SB-2"'s with each other, and then the "SB-3"'s. Analyze for LUST 5 metals

** Please hold samples for PAH analysis

CHAIN OF CUSTODY RECORD					
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)		DATE	TIME	
<u>[Signature]</u>	<u>[Signature]</u>		12/15/04	16:00	
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)		DATE	TIME	
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)		DATE	TIME	
DISPATCHED BY: (Signature)	DATE	TIME	RECEIVED FOR LAB BY: (Signature)		DATE
METHOD OF SHIPMENT:					



CHAIN OF CUSTODY RECORD

LABORATORY: Entech

SAMPLERS: POG, SP

JOB NUMBER: 241.062.01.002

NAME / LOCATION: Christie Ave (63910)

PROJECT MANAGER: _____

RECORDER: POG

ANALYSIS REQUESTED										
EPA 5035/8010	EPA 5035/8021	EPA 5035/8260B VOC's + TPHg	TPHg by 5035/8015M	TPHd by 8015M	TPHmo by 8015M	EPA 8270C	MNA Parameters (see notes)	8082A - PCBs	PAHs ** [Hold]	- Composite Sampler *
	X	X	X	X	X					
	X	X	X	X	X					
	X	X	X	X	X					
	X	X	X	X	X					
	X	X	X	X	X					
	X	X	X	X	X					
	X	X	X	X	X					
							X			
	X	X	X	X	X					
	X	X	X	X	X					
	X	X	X	X	X					

DATE				SAMPLE NUMBER / DESIGNATION
YR	MO	DY	TIME	
04	12	15	0800	SB-1-2
			805	SB-1-7
			955	SB-2-2
			1000	SB-2-7
			1040	SB-3-2
			1045	SB-3-7
			1050	63910 Shallow Comp
			0900	GW-1-12
			1025	GW-2-8
			1055	GW-3-8

MATRIX	# of Containers & Preservatives					DEPTH IN FEET
	Vapor	Water	Soil	Sedim't	Unpres.	
			X		13	416891-001
			X		13	002
			X		13	003
			X		13	004
			X		13	005
			X		13	006
			X		1	007
	X				3	008
	X				2	009
	X				2	010

NOTES

Turn Around Time: Standard

* After extracting soil for the other analyses, please composite the "SB-1"'s together, the "SB-2"'s with each other, and then the "SB-3"'s. Analyze for LUFT 5 metals

** Please Hold samples for PAH analysis

CHAIN OF CUSTODY RECORD					
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME	DATE	TIME
<u>[Signature]</u>	<u>[Signature]</u>	12/15/04	1600		
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME	DATE	TIME
<u>[Signature]</u>	<u>[Signature]</u>	12/15/04	1800		
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE	TIME	DATE	TIME
DISPATCHED BY: (Signature)	DATE	TIME	RECEIVED FOR LAB BY: (Signature)	DATE	TIME
METHOD OF SHIPMENT:					

APPENDIX D

**LABORATORY ANALYTICAL REPORT
FOR SOIL VAPOR SAMPLES**



RECEIVED DEC 28 2004

**TRANSGLOBAL
ENVIRONMENTAL
GEOCHEMISTRY**

December 21, 2004

Mr. Peter Gorman
PES Environmental, Inc.
1682 Novato Blvd., Suite 100
Novato, CA 94947

**SUBJECT: DATA REPORT - PES ENVIRONMENTAL, INC. PROJECT # 241062001002
6390 Christy Avenue - Emeryville, California**

TEG Project # 41215D

Mr. Gorman:

Please find enclosed a data report for the samples analyzed from the above referenced project for PES Environmental. The samples were analyzed on site in TEG's DHS certified mobile laboratory. TEG conducted a total of 12 analyses on 12 soil vapor samples.

-- 12 analyses on soil vapors for volatile organic hydrocarbons by EPA method 8260B.

The results of the analyses are summarized in the enclosed tables. Applicable detection limits and calibration data are included in the tables.

1,1 difluoroethane was used as a leak check compound around the probe rods during the soil vapor sampling. No 1,1 difluoroethane was detected in any of the vapor samples reported at or above the DTSC recommended leak check compound reporting limit of 10 ug/L of vapor.

TEG appreciates the opportunity to have provided analytical services to PES Environmental 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



PES Project # 241062001002
6390 Christy Avenue, Emeryville, California

TEG Project #41215D

EPA METHOD 8260B VOC ANALYSES OF SOIL VAPOR in ug/L of Vapor

SAMPLE NUMBER:		Blank	SG-1 @ 2'	SG-2 @ 1'	SG-3 @ 3'	SG-4 @ 3'	SG-5 @ 3'	SG-6 @ 2'
SAMPLE DEPTH (feet):			2.0	1.0	3.0	3.0	3.0	2.0
COLLECTION DATE:		12/15/04	12/15/04	12/15/04	12/15/04	12/15/04	12/15/04	12/15/04
COLLECTION TIME:		08:25	09:36	10:00	10:33	11:17	10:57	12:48
DILUTION FACTOR:		1	1	1	1	5	1	1
	RL							
Dichlorodifluoromethane	0.10	nd	nd	nd	nd	nd	nd	nd
Vinyl Chloride	0.10	nd	nd	nd	nd	nd	nd	nd
Chloroethane	0.10	nd	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	0.10	nd	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.10	nd	nd	nd	nd	nd	nd	nd
1,1,2-Trichloro-trifluoroethane	0.10	nd	nd	nd	nd	nd	nd	nd
Methylene Chloride	0.10	nd	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	0.10	nd	nd	nd	nd	nd	nd	nd
Methyl-t-butyl-ether (MTBE)	0.10	nd	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	0.10	nd	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	0.10	nd	nd	nd	nd	nd	nd	0.15
Chloroform	0.10	nd	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	0.10	nd	nd	nd	nd	nd	nd	nd
Carbon Tetrachloride	0.10	nd	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	0.10	nd	nd	nd	nd	nd	nd	nd
Benzene	0.10	nd	nd	nd	nd	5.5	nd	nd
Trichloroethene	0.10	nd	nd	nd	nd	nd	nd	nd
Toluene	0.10	nd	nd	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	0.10	nd	nd	nd	nd	nd	nd	nd
Tetrachloroethene	0.10	nd	nd	nd	nd	nd	nd	nd
Ethylbenzene	0.10	nd	nd	nd	nd	1.1	nd	nd
1,1,1,2-Tetrachloroethane	0.10	nd	nd	nd	nd	nd	nd	nd
m,p-Xylene	0.10	nd	nd	nd	nd	1.4	nd	0.10
o-Xylene	0.10	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.10	nd	nd	nd	nd	nd	nd	nd
TPH	5.0	nd	6.8	nd	9.3	830	8.8	8.3
Surrogate Recovery (DBFM)		103%	103%	102%	102%	104%	104%	102%
Surrogate Recovery (1,2-DCA-d4)		105%	106%	105%	105%	110%	105%	106%
Surrogate Recovery (Toluene-d8)		107%	103%	102%	104%	103%	103%	102%

'RL' REPORTING LIMIT

'nd' NOT DETECTED AT LISTED REPORTING LIMITS

ANALYSES PERFORMED IN TEG-Northern California's LAB

ANALYSES PERFORMED BY: Mr. Leif Jonsson

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PES Project # 241062001002
6390 Christy Avenue, Emeryville, California

TEG Project #41215D

EPA METHOD 8260B VOC ANALYSES OF SOIL VAPOR in ug/L of Vapor

SAMPLE NUMBER:	SG-7 @ 2'	SG-8 @ 3'	SG-9 @ 2'	SG-10 @ 2'	SG-11 @ 2'	SG-12 @ 2'	
SAMPLE DEPTH (feet):	2.0	3.0	2.0	2.0	2.0	2.0	
COLLECTION DATE:	12/15/04	12/15/04	12/15/04	12/15/04	12/15/04	12/15/04	
COLLECTION TIME:	13:59	13:30	11:56	14:20	14:43	15:05	
DILUTION FACTOR:	1	1	1	1	1	1	
	RL						
Dichlorodifluoromethane	0.10	nd	nd	nd	nd	nd	
Vinyl Chloride	0.10	nd	nd	nd	nd	nd	
Chloroethane	0.10	nd	nd	nd	nd	nd	
Trichlorofluoromethane	0.10	nd	nd	nd	nd	nd	
1,1-Dichloroethene	0.10	nd	nd	nd	nd	nd	
1,1,2-Trichloro-trifluoroethane	0.10	nd	nd	nd	nd	nd	
Methylene Chloride	0.10	nd	nd	nd	nd	nd	
trans-1,2-Dichloroethene	0.10	nd	nd	nd	nd	nd	
Methyl-t-butyl-ether (MTBE)	0.10	nd	nd	nd	nd	nd	
1,1-Dichloroethane	0.10	nd	nd	nd	nd	nd	
cis-1,2-Dichloroethene	0.10	nd	nd	nd	nd	nd	
Chloroform	0.10	nd	nd	nd	nd	nd	
1,1,1-Trichloroethane	0.10	nd	nd	nd	nd	nd	
Carbon Tetrachloride	0.10	nd	nd	nd	nd	nd	
1,2-Dichloroethane	0.10	nd	nd	nd	nd	nd	
Benzene	0.10	nd	0.20	nd	0.13	0.34	0.13
Trichloroethene	0.10	nd	nd	nd	nd	nd	nd
Toluene	0.10	nd	0.11	0.10	0.12	0.29	1.4
1,1,2-Trichloroethane	0.10	nd	nd	nd	nd	nd	nd
Tetrachloroethene	0.10	nd	nd	nd	nd	nd	nd
Ethylbenzene	0.10	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	0.10	nd	nd	nd	nd	nd	nd
m,p-Xylene	0.10	0.11	0.11	0.12	nd	0.11	nd
o-Xylene	0.10	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	0.10	nd	nd	nd	nd	nd	nd
TPH	5.0	6.7	76	nd	31	380	5.6
Surrogate Recovery (DBFM)		101%	102%	104%	104%	103%	103%
Surrogate Recovery (1,2-DCA-d4)		106%	114%	107%	110%	114%	107%
Surrogate Recovery (Toluene-d8)		105%	106%	104%	106%	108%	104%

'RL' REPORTING LIMIT

'nd' NOT DETECTED AT LISTED REPORTING LIMITS

ANALYSES PERFORMED IN TEG-Northern California's LAB
ANALYSES PERFORMED BY: Mr. Leif Jonsson

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PES Project # 241062001002
6390 Christy Avenue, Emeryville, California

TEG PROJECT #41215D

CALIBRATION STANDARDS - Initial Calibration / LCS

Instrument: Agilent 5973N MSD

COMPOUND	INITIAL CALIBRATION		LCS	
	RF	%RSD	RF	%DIFF
Dichlorodifluoromethane*	0.690	14.4%	0.633	8.3%
Vinyl Chloride*	1.101	6.3%	1.105	0.4%
Chloroethane*	0.551	27.8%	0.686	24.5%
Trichlorofluoromethane*	1.399	6.3%	1.514	8.2%
1,1-Dichloroethene	1.112	10.7%	1.124	1.1%
1,1,2-Trichloro-trifluoroethane*	1.097	10.3%	1.124	2.5%
Methylene Chloride	1.248	8.5%	1.254	0.5%
trans-1,2-Dichloroethene	1.312	7.8%	1.373	4.6%
Methyl-t-butyl-ether (MTBE)	2.398	8.1%	2.202	8.2%
1,1-Dichloroethane	2.582	7.8%	2.675	3.6%
cis-1,2-Dichloroethene	1.382	9.0%	1.440	4.2%
Chloroform	2.192	7.9%	2.247	2.5%
1,1,1-Trichloroethane	1.997	7.1%	2.087	4.5%
Carbon Tetrachloride	1.603	7.6%	1.726	7.7%
1,2-Dichloroethane	1.646	9.4%	1.624	1.3%
Benzene	5.378	9.3%	5.541	3.0%
Trichloroethene	1.409	8.1%	1.448	2.8%
Toluene	3.457	14.2%	3.433	0.7%
1,1,2-Trichloroethane	0.789	9.3%	0.761	3.5%
Tetrachloroethene	1.641	6.6%	1.783	8.7%
Ethylbenzene	2.778	8.6%	2.999	8.0%
1,1,1,2-Tetrachloroethane	1.688	8.3%	1.797	6.5%
m,p-Xylene	3.237	10.2%	3.427	5.9%
o-Xylene	3.069	9.9%	3.241	5.6%
1,1,2,2-Tetrachloroethane	2.905	7.3%	2.823	2.8%

ACCEPTABLE LIMITS: 20.0% 15.0%

' * ' INDICATES RSD NOT TO EXCEED 30% & LCS NOT TO EXCEED 25%

ANALYSES PERFORMED IN TEG-Northern California's LAB
ANALYSES PERFORMED BY: Mr. Leif Jonsson



PES Project # 241062001002
6390 Christy Avenue, Emeryville, California

TEG PROJECT #41215D

Continuing Calibration

Instrument: Agilent 5973N MSD

COMPOUND	INITIAL RF	12/15/04	
		Daily Midpoint RF	%DIFF
1,1-Dichloroethene	1.112	1.029	7.5%
trans-1,2-Dichloroethene	1.312	1.333	1.6%
1,1-Dichloroethane	2.582	2.591	0.3%
cis-1,2-Dichloroethene	1.382	1.424	3.0%
1,1,1-Trichloroethane	1.997	2.101	5.2%
1,2-Dichloroethane	1.646	1.616	1.8%
Benzene	5.378	5.469	1.7%
Trichloroethene	1.409	1.521	7.9%
Toluene	3.457	3.477	0.6%
1,1,2-Trichloroethane	0.789	0.782	0.9%
Tetrachloroethene	1.641	1.805	10.0%
m,p-Xylene	3.237	3.512	8.5%
o-Xylene	3.069	3.315	8.0%

ANALYSES PERFORMED IN TEG-Northern California's LAB

ANALYSES PERFORMED BY: Mr. Leif Jonsson