Detterman, Karel, Env. Health

From: Lee, Lavender [L1Ln@pge.com]
Sent: Wednesday, April 02, 2014 12:42 PM
To: Detterman, Karel, Env. Health
Cc: 'Phillips, Hollis'; Roe, Dilan, Env. Health
Subject: RE: PG&E Courtesy Notification

Afternoon Karel,
The potentially contaminated soil was encountered at a depth of 36 inches and the excavation depth is at 42 inches.

Thank you,
Lavender Lee
Senior Environmental Field Specialist
PG&E, Environmental Distribution & Shared Services Project Review Team
3401 Crow Canyon
San Ramon, CA 94583
Cell (707) 292-1829

-----Original Message-----
From: Detterman, Karel, Env. Health [mailto:Karel.Detterman@acgov.org]
Sent: Friday, March 28, 2014 4:54 PM
To: Lee, Lavender
Cc: 'Phillips, Hollis'; Roe, Dilan, Env. Health
Subject: RE: PG&E Courtesy Notification

Hello Lavender: How deep is the excavation and how deep was the contaminated soil encountered?

Thank you,

Karel Detterman, PG

Hazardous Materials Specialist

Alameda County Environmental Health

1131 Harbor Bay Parkway

Alameda, CA 94502

Direct: 510.567.6708

Fax: 510.337.9335

Email: karel.detterman@acgov.org

PDF copies of case files can be downloaded at:

Detterman, Karel, Env. Health

From: Lee, Lavender [L1Ln@pge.com]
Sent: Wednesday, April 02, 2014 4:56 PM
To: Detterman, Karel, Env. Health
Cc: 'Phillips, Hollis'; Roe, Dilan, Env. Health
Subject: RE: PG&E Courtesy Notification Regarding Fuel Leak Case No, RO0000426, BP #11109, 4280 Foothill Blvd, Oakland, CA
Attachments: 1404003 PG&E.PDF

Good Afternoon Karel,
Please find the analytical results attached.

Thank you,
Lavender Lee
Senior Environmental Field Specialist
PG&E, Environmental Distribution & Shared Services Project Review Team
3401 Crow Canyon
San Ramon, CA 94583
Cell (707) 292-1829

-----Original Message-----
From: Detterman, Karel, Env. Health [mailto:Karel.Detterman@acgov.org]
Sent: Wednesday, April 02, 2014 1:50 PM
To: Lee, Lavender
Cc: 'Phillips, Hollis'; Roe, Dilan, Env. Health
Subject: RE: PG&E Courtesy Notification Regarding Fuel Leak Case No, RO0000426, BP #11109, 4280 Foothill Blvd, Oakland, CA

Thank you!

Karel Detterman, PG

Hazardous Materials Specialist

Alameda County Environmental Health

1131 Harbor Bay Parkway

Alameda, CA 94502

Direct: 510.567.6708

Fax: 510.337.9335

Email: karel.detterman@acgov.org

PDF copies of case files can be downloaded at:

https://urldefense.proofpoint.com/v1/url?u=http://www.acgov.org/aceh/lop/ust.htm&k=4%2BViHuL0UtSJBpVrYi3EdQ%3D%3D%0A&r=PHUtjiBA8DMJpN1zwFNDlw%3D%3D%0A&m=eAhn0hp5k2TJVrO6p0l5nl60J4h3KMyVxtxzQNRCF7g%3D%0A&s=62507c8c44995cc2c500fdcf2d878724a4dc886efad41611195e436330bb8c14

-----Original Message-----

From: Lee, Lavender [mailto:L1Ln@pge.com]

Sent: Wednesday, April 02, 2014 1:08 PM

To: Detterman, Karel, Env. Health

Cc: 'Phillips, Hollis'; Roe, Dilan, Env. Health

Subject: RE: PG&E Courtesy Notification Regarding Fuel Leak Case No, RO0000426, BP #11109, 4280 Foothill Blvd, Oakland, CA

Of course Karel,

We should have all of the results today. I will pass them along when they are received. Please note that the soil was taken to the PG&E Service Center in Oakland, stockpiled, and tested.

Thank you,

Lavender Lee

Senior Environmental Field Specialist

PG&E, Environmental Distribution & Shared Services Project Review Team

3401 Crow Canyon

San Ramon, CA 94583

Cell (707) 292-1829

-----Original Message-----

From: Detterman, Karel, Env. Health [mailto:Karel.Detterman@acgov.org]

Sent: Wednesday, April 02, 2014 12:54 PM

To: Lee, Lavender

Cc: 'Phillips, Hollis'; Roe, Dilan, Env. Health

Subject: RE: PG&E Courtesy Notification Regarding Fuel Leak Case No, RO0000426, BP #11109, 4280 Foothill Blvd, Oakland, CA

Hello Lavender:

Christina Ellsworth
PGE (Oakland)
4801 Oakport Ave
Oakland, California 94601
Tel: 510-437-2141
Email: C5B7@pge.com

RE: 4801 Oakland St

Work Order No.: 1404003

Dear Christina Ellsworth:

Torrent Laboratory, Inc. received 1 sample(s) on April 01, 2014 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

Patti Sandrock
QA Officer

April 02, 2014
Date

Date: 4/2/2014

Client: PGE (Oakland)

Project: 4801 Oakland St

Work Order: 1404003

CASE NARRATIVE

No issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Analytical, Inc.

A preliminary report was issued pending the SVOC analysis. This is the final report.

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Christina Ellsworth
PGE (Oakland)

Date Received: 04/01/14
Date Reported: 04/02/14

Oak-Soil 1404003-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Barium	SW6010B	1	0.07	5.0	20	mg/Kg
Chromium	SW6010B	1	0.0500	5.0	24	mg/Kg
Cobalt	SW6010B	1	0.055	5.0	7.4	mg/Kg
Copper	SW6010B	1	0.650	5.0	7.0	mg/Kg
Lead	SW6010B	1	0.14	1.0	8.2	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	27	mg/Kg
Vanadium	SW6010B	1	0.18	5.0	23	mg/Kg
Zinc	SW6010B	1	0.25	5.0	27	mg/Kg
TPH as Motor Oil	SW8015B(M)	2	40.0	410	2300	mg/Kg

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Christina Ellsworth
PGE (Oakland)

Date Received: 04/01/14
Date Reported: 04/02/14

Client Sample ID:	Oak-Soil	**Lab Sample ID:**	1404003-001A
Project Name/Location:	4801 Oakland St	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	03/31/14 / 12:00		
Tag Number:	4801 Oakland St		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Antimony	SW6010B	4/1/14	04/01/14	1	0.20	5.0	ND		mg/Kg	419948	11200
Arsenic	SW6010B	4/1/14	04/01/14	1	0.25	1.7	ND		mg/Kg	419948	11200
Barium	SW6010B	4/1/14	04/01/14	1	0.07	5.0	20		mg/Kg	419948	11200
Beryllium	SW6010B	4/1/14	04/01/14	1	0.0800	2.0	ND		mg/Kg	419948	11200
Cadmium	SW6010B	4/1/14	04/01/14	1	0.0550	1.0	ND		mg/Kg	419948	11200
Chromium	SW6010B	4/1/14	04/01/14	1	0.0500	5.0	24		mg/Kg	419948	11200
Cobalt	SW6010B	4/1/14	04/01/14	1	0.055	5.0	7.4		mg/Kg	419948	11200
Copper	SW6010B	4/1/14	04/01/14	1	0.650	5.0	7.0		mg/Kg	419948	11200
Lead	SW6010B	4/1/14	04/01/14	1	0.14	1.0	8.2		mg/Kg	419948	11200
Molybdenum	SW6010B	4/1/14	04/01/14	1	0.120	5.0	ND		mg/Kg	419948	11200
Nickel	SW6010B	4/1/14	04/01/14	1	0.0500	5.0	27		mg/Kg	419948	11200
Selenium	SW6010B	4/1/14	04/01/14	1	0.42	5.0	ND		mg/Kg	419948	11200
Silver	SW6010B	4/1/14	04/01/14	1	0.37	1.0	ND		mg/Kg	419948	11200
Thallium	SW6010B	4/1/14	04/01/14	1	0.49	5.0	ND		mg/Kg	419948	11200
Vanadium	SW6010B	4/1/14	04/01/14	1	0.18	5.0	23		mg/Kg	419948	11200
Zinc	SW6010B	4/1/14	04/01/14	1	0.25	5.0	27		mg/Kg	419948	11200

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Mercury	SW7471A	4/1/14	04/02/14	1	0.2	0.50	ND		mg/Kg	419949	11201

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Christina Ellsworth
PGE (Oakland)

Date Received: 04/01/14
Date Reported: 04/02/14

Client Sample ID:	Oak-Soil	**Lab Sample ID:**	1404003-001A
Project Name/Location:	4801 Oakland St	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	03/31/14 / 12:00		
Tag Number:	4801 Oakland St		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	04/01/14	1	4.4	10	ND		ug/Kg	419957	NA
Chloromethane	SW8260B	NA	04/01/14	1	4.6	10	ND		ug/Kg	419957	NA
Vinyl Chloride	SW8260B	NA	04/01/14	1	2.6	10	ND		ug/Kg	419957	NA
Bromomethane	SW8260B	NA	04/01/14	1	4.7	10	ND		ug/Kg	419957	NA
Trichlorofluoromethane	SW8260B	NA	04/01/14	1	2.9	10	ND		ug/Kg	419957	NA
1,1-Dichloroethene	SW8260B	NA	04/01/14	1	1.5	10	ND		ug/Kg	419957	NA
Freon 113	SW8260B	NA	04/01/14	1	3.7	10	ND		ug/Kg	419957	NA
Methylene Chloride	SW8260B	NA	04/01/14	1	2.0	50	ND		ug/Kg	419957	NA
trans-1,2-Dichloroethene	SW8260B	NA	04/01/14	1	1.1	10	ND		ug/Kg	419957	NA
MTBE	SW8260B	NA	04/01/14	1	2.6	10	ND		ug/Kg	419957	NA
tert-Butanol	SW8260B	NA	04/01/14	1	21	50	ND		ug/Kg	419957	NA
Diisopropyl ether (DIPE)	SW8260B	NA	04/01/14	1	2.2	10	ND		ug/Kg	419957	NA
1,1-Dichloroethane	SW8260B	NA	04/01/14	1	1.3	10	ND		ug/Kg	419957	NA
ETBE	SW8260B	NA	04/01/14	1	2.4	10	ND		ug/Kg	419957	NA
cis-1,2-Dichloroethene	SW8260B	NA	04/01/14	1	1.8	10	ND		ug/Kg	419957	NA
2,2-Dichloropropane	SW8260B	NA	04/01/14	1	1.2	10	ND		ug/Kg	419957	NA
Bromochloromethane	SW8260B	NA	04/01/14	1	2.3	10	ND		ug/Kg	419957	NA
Chloroform	SW8260B	NA	04/01/14	1	1.2	10	ND		ug/Kg	419957	NA
Carbon Tetrachloride	SW8260B	NA	04/01/14	1	1.6	10	ND		ug/Kg	419957	NA
1,1,1-Trichloroethane	SW8260B	NA	04/01/14	1	1.2	10	ND		ug/Kg	419957	NA
1,1-Dichloropropene	SW8260B	NA	04/01/14	1	1.4	10	ND		ug/Kg	419957	NA
Benzene	SW8260B	NA	04/01/14	1	1.5	10	ND		ug/Kg	419957	NA
TAME	SW8260B	NA	04/01/14	1	2.1	10	ND		ug/Kg	419957	NA
1,2-Dichloroethane	SW8260B	NA	04/01/14	1	1.9	10	ND		ug/Kg	419957	NA
Trichloroethylene	SW8260B	NA	04/01/14	1	3.9	10	ND		ug/Kg	419957	NA
Dibromomethane	SW8260B	NA	04/01/14	1	2.2	10	ND		ug/Kg	419957	NA
1,2-Dichloropropane	SW8260B	NA	04/01/14	1	1.3	10	ND		ug/Kg	419957	NA
Bromodichloromethane	SW8260B	NA	04/01/14	1	1.1	10	ND		ug/Kg	419957	NA
cis-1,3-Dichloropropene	SW8260B	NA	04/01/14	1	1.4	10	ND		ug/Kg	419957	NA
Toluene	SW8260B	NA	04/01/14	1	0.98	10	ND		ug/Kg	419957	NA
Tetrachloroethylene	SW8260B	NA	04/01/14	1	1.8	10	ND		ug/Kg	419957	NA
trans-1,3-Dichloropropene	SW8260B	NA	04/01/14	1	1.2	10	ND		ug/Kg	419957	NA
1,1,2-Trichloroethane	SW8260B	NA	04/01/14	1	1.8	10	ND		ug/Kg	419957	NA
Dibromochloromethane	SW8260B	NA	04/01/14	1	1.1	10	ND		ug/Kg	419957	NA
1,3-Dichloropropane	SW8260B	NA	04/01/14	1	2.1	10	ND		ug/Kg	419957	NA
1,2-Dibromoethane	SW8260B	NA	04/01/14	1	1.7	10	ND		ug/Kg	419957	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Christina Ellsworth
PGE (Oakland)

Date Received: 04/01/14
Date Reported: 04/02/14

Client Sample ID:	Oak-Soil	**Lab Sample ID:**	1404003-001A
Project Name/Location:	4801 Oakland St	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	03/31/14 / 12:00		
Tag Number:	4801 Oakland St		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	04/01/14	1	0.86	10	ND		ug/Kg	419957	NA
Chlorobenzene	SW8260B	NA	04/01/14	1	4.2	10	ND		ug/Kg	419957	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	04/01/14	1	0.86	10	ND		ug/Kg	419957	NA
m,p-Xylene	SW8260B	NA	04/01/14	1	1.9	10	ND		ug/Kg	419957	NA
o-Xylene	SW8260B	NA	04/01/14	1	0.66	5.0	ND		ug/Kg	419957	NA
Styrene	SW8260B	NA	04/01/14	1	0.77	10	ND		ug/Kg	419957	NA
Bromoform	SW8260B	NA	04/01/14	1	1.9	10	ND		ug/Kg	419957	NA
Isopropyl Benzene	SW8260B	NA	04/01/14	1	1.2	10	ND		ug/Kg	419957	NA
n-Propylbenzene	SW8260B	NA	04/01/14	1	1.4	10	ND		ug/Kg	419957	NA
Bromobenzene	SW8260B	NA	04/01/14	1	1.2	10	ND		ug/Kg	419957	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	04/01/14	1	3.0	10	ND		ug/Kg	419957	NA
1,3,5-Trimethylbenzene	SW8260B	NA	04/01/14	1	1.1	10	ND		ug/Kg	419957	NA
1,2,3-Trichloropropane	SW8260B	NA	04/01/14	1	3.3	10	ND		ug/Kg	419957	NA
4-Chlorotoluene	SW8260B	NA	04/01/14	1	1.6	10	ND		ug/Kg	419957	NA
2-Chlorotoluene	SW8260B	NA	04/01/14	1	1.6	10	ND		ug/Kg	419957	NA
tert-Butylbenzene	SW8260B	NA	04/01/14	1	1.4	10	ND		ug/Kg	419957	NA
1,2,4-Trimethylbenzene	SW8260B	NA	04/01/14	1	1.1	10	ND		ug/Kg	419957	NA
sec-Butyl Benzene	SW8260B	NA	04/01/14	1	1.6	10	ND		ug/Kg	419957	NA
p-Isopropyltoluene	SW8260B	NA	04/01/14	1	1.5	10	ND		ug/Kg	419957	NA
1,3-Dichlorobenzene	SW8260B	NA	04/01/14	1	1.8	10	ND		ug/Kg	419957	NA
1,4-Dichlorobenzene	SW8260B	NA	04/01/14	1	1.5	10	ND		ug/Kg	419957	NA
n-Butylbenzene	SW8260B	NA	04/01/14	1	2.2	10	ND		ug/Kg	419957	NA
1,2-Dichlorobenzene	SW8260B	NA	04/01/14	1	1.3	10	ND		ug/Kg	419957	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	04/01/14	1	4.2	10	ND		ug/Kg	419957	NA
Hexachlorobutadiene	SW8260B	NA	04/01/14	1	2.6	10	ND		ug/Kg	419957	NA
1,2,4-Trichlorobenzene	SW8260B	NA	04/01/14	1	2.1	10	ND		ug/Kg	419957	NA
Naphthalene	SW8260B	NA	04/01/14	1	2.8	10	ND		ug/Kg	419957	NA
1,2,3-Trichlorobenzene	SW8260B	NA	04/01/14	1	2.9	10	ND		ug/Kg	419957	NA
(S) Dibromofluoromethane	SW8260B	NA	04/01/14	1	59.8	148	114		%	419957	NA
(S) Toluene-d8	SW8260B	NA	04/01/14	1	55.2	133	118		%	419957	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	04/01/14	1	55.8	141	107		%	419957	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Christina Ellsworth
PGE (Oakland)

Date Received: 04/01/14
Date Reported: 04/02/14

Client Sample ID:	Oak-Soil	**Lab Sample ID:**	1404003-001A
Project Name/Location:	4801 Oakland St	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	03/31/14 / 12:00		
Tag Number:	4801 Oakland St		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
Pyridine	SW8270C	4/1/14	04/02/14	5	3.00	37.5	ND		mg/Kg	419961	11205
N-Nitrosdimethylamine	SW8270C	4/1/14	04/02/14	5	4.16	37.5	ND		mg/Kg	419961	11205
Aniline	SW8270C	4/1/14	04/02/14	5	4.65	12.5	ND		mg/Kg	419961	11205
Phenol	SW8270C	4/1/14	04/02/14	5	4.88	25.0	ND		mg/Kg	419961	11205
Bis(2-chloroethyl) ether	SW8270C	4/1/14	04/02/14	5	2.59	12.5	ND		mg/Kg	419961	11205
2-Chlorophenol	SW8270C	4/1/14	04/02/14	5	4.88	12.5	ND		mg/Kg	419961	11205
1,3-Dichlorobenzene	SW8270C	4/1/14	04/02/14	5	2.78	12.5	ND		mg/Kg	419961	11205
1,4-Dichlorobenzene	SW8270C	4/1/14	04/02/14	5	2.51	12.5	ND		mg/Kg	419961	11205
Benzyl Alcohol	SW8270C	4/1/14	04/02/14	5	3.94	37.5	ND		mg/Kg	419961	11205
1,2-Dichlorobenzene	SW8270C	4/1/14	04/02/14	5	2.70	12.5	ND		mg/Kg	419961	11205
2-Methylphenol (o-Cresol)	SW8270C	4/1/14	04/02/14	5	4.39	25.0	ND		mg/Kg	419961	11205
Bis(2-chloroisopropyl)ether	SW8270C	4/1/14	04/02/14	5	2.59	12.5	ND		mg/Kg	419961	11205
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	4/1/14	04/02/14	5	5.25	25.0	ND		mg/Kg	419961	11205
N-nitroso-di-n-propylamine	SW8270C	4/1/14	04/02/14	5	3.53	12.5	ND		mg/Kg	419961	11205
Hexachloroethane	SW8270C	4/1/14	04/02/14	5	1.76	12.5	ND		mg/Kg	419961	11205
Nitrobenzene	SW8270C	4/1/14	04/02/14	5	2.00	12.5	ND		mg/Kg	419961	11205
Isophorone	SW8270C	4/1/14	04/02/14	5	2.18	12.5	ND		mg/Kg	419961	11205
2-Nitrophenol	SW8270C	4/1/14	04/02/14	5	1.99	25.0	ND		mg/Kg	419961	11205
2,4-Dimethylphenol	SW8270C	4/1/14	04/02/14	5	5.03	25.0	ND		mg/Kg	419961	11205
Benzoic Acid	SW8270C	4/1/14	04/02/14	5	2.12	37.5	ND		mg/Kg	419961	11205
Bis(2-Chloroethoxy)methane	SW8270C	4/1/14	04/02/14	5	2.21	12.5	ND		mg/Kg	419961	11205
2,4-Dichlorophenol	SW8270C	4/1/14	04/02/14	5	3.94	25.0	ND		mg/Kg	419961	11205
1,2,4-Trichlorobenzene	SW8270C	4/1/14	04/02/14	5	2.78	12.5	ND		mg/Kg	419961	11205
2,6-Dichlorophenol	SW8270C	4/1/14	04/02/14	5	3.94	25.0	ND		mg/Kg	419961	11205
Naphthalene	SW8270C	4/1/14	04/02/14	5	3.41	12.5	ND		mg/Kg	419961	11205
4-Chloroaniline	SW8270C	4/1/14	04/02/14	5	3.75	12.5	ND		mg/Kg	419961	11205
Hexachloro-1,3-butadiene	SW8270C	4/1/14	04/02/14	5	2.48	12.5	ND		mg/Kg	419961	11205
4-Chloro-3-methylphenol	SW8270C	4/1/14	04/02/14	5	3.86	25.0	ND		mg/Kg	419961	11205
2-Methylnaphthalene	SW8270C	4/1/14	04/02/14	5	3.00	12.5	ND		mg/Kg	419961	11205
1-Methylnaphthalene	SW8270C	4/1/14	04/02/14	5	3.00	12.5	ND		mg/Kg	419961	11205
Hexachlorocyclopentadiene	SW8270C	4/1/14	04/02/14	5	1.05	12.5	ND		mg/Kg	419961	11205
2,4,6-Trichlorophenol	SW8270C	4/1/14	04/02/14	5	3.60	25.0	ND		mg/Kg	419961	11205
2,4,5-Trichlorophenol	SW8270C	4/1/14	04/02/14	5	4.58	25.0	ND		mg/Kg	419961	11205
2-Chloronaphthalene	SW8270C	4/1/14	04/02/14	5	2.25	12.5	ND		mg/Kg	419961	11205

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Christina Ellsworth
PGE (Oakland)

Date Received: 04/01/14
Date Reported: 04/02/14

Client Sample ID:	Oak-Soil	**Lab Sample ID:**	1404003-001A
Project Name/Location:	4801 Oakland St	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	03/31/14 / 12:00		
Tag Number:	4801 Oakland St		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
2-Nitroaniline	SW8270C	4/1/14	04/02/14	5	2.63	12.5	ND		mg/Kg	419961	11205
Dimethyl phthalate	SW8270C	4/1/14	04/02/14	5	4.46	12.5	ND		mg/Kg	419961	11205
1,3-Dinitrobenzene	SW8270C	4/1/14	04/02/14	5	4.00	12.5	ND		mg/Kg	419961	11205
Acenaphthylene	SW8270C	4/1/14	04/02/14	5	3.23	12.5	ND		mg/Kg	419961	11205
2,6-Dinitrotoluene	SW8270C	4/1/14	04/02/14	5	1.01	12.5	ND		mg/Kg	419961	11205
1,2-Dinitrobenzene	SW8270C	4/1/14	04/02/14	5	3.25	12.5	ND		mg/Kg	419961	11205
3-Nitroaniline	SW8270C	4/1/14	04/02/14	5	2.63	12.5	ND		mg/Kg	419961	11205
Acenaphthene	SW8270C	4/1/14	04/02/14	5	3.64	12.5	ND		mg/Kg	419961	11205
2,4-Dinitrophenol	SW8270C	4/1/14	04/02/14	5	1.13	62.5	ND		mg/Kg	419961	11205
4-Nitrophenol	SW8270C	4/1/14	04/02/14	5	2.51	62.5	ND		mg/Kg	419961	11205
Dibenzofuran	SW8270C	4/1/14	04/02/14	5	2.96	12.5	ND		mg/Kg	419961	11205

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Christina Ellsworth
PGE (Oakland)

Date Received: 04/01/14
Date Reported: 04/02/14

Client Sample ID:	Oak-Soil	**Lab Sample ID:**	1404003-001A
Project Name/Location:	4801 Oakland St	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	03/31/14 / 12:00		
Tag Number:	4801 Oakland St		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
2,4-Dinitrotoluene	SW8270C	4/1/14	04/02/14	5	1.01	12.5	ND		mg/Kg	419961	11205
2,3,5,6-Tetrachlorophenol	SW8270C	4/1/14	04/02/14	5	4.50	25.0	ND		mg/Kg	419961	11205
2,3,4,6-Tetrachlorophenol	SW8270C	4/1/14	04/02/14	5	4.50	25.0	ND		mg/Kg	419961	11205
Diethylphthalate	SW8270C	4/1/14	04/02/14	5	4.43	125	ND		mg/Kg	419961	11205
Fluorene	SW8270C	4/1/14	04/02/14	5	3.75	12.5	ND		mg/Kg	419961	11205
4-Chlorophenyl phenyl ether	SW8270C	4/1/14	04/02/14	5	3.04	12.5	ND		mg/Kg	419961	11205
4-Nitroaniline	SW8270C	4/1/14	04/02/14	5	3.04	12.5	ND		mg/Kg	419961	11205
4,6-Dinitro-2-methylphenol	SW8270C	4/1/14	04/02/14	5	2.51	25.0	ND		mg/Kg	419961	11205
Diphenylamine	SW8270C	4/1/14	04/02/14	5	2.51	12.5	ND		mg/Kg	419961	11205
Azobenzene	SW8270C	4/1/14	04/02/14	5	4.13	12.5	ND		mg/Kg	419961	11205
4-Bromophenyl phenyl ether	SW8270C	4/1/14	04/02/14	5	3.08	12.5	ND		mg/Kg	419961	11205
Hexachlorobenzene	SW8270C	4/1/14	04/02/14	5	3.83	12.5	ND		mg/Kg	419961	11205
Pentachlorophenol	SW8270C	4/1/14	04/02/14	5	3.86	25.0	ND		mg/Kg	419961	11205
Phenanthrene	SW8270C	4/1/14	04/02/14	5	5.36	12.5	ND		mg/Kg	419961	11205
Anthracene	SW8270C	4/1/14	04/02/14	5	5.02	12.5	ND		mg/Kg	419961	11205
Carbazole	SW8270C	4/1/14	04/02/14	5	5.02	12.5	ND		mg/Kg	419961	11205
Di-n-butylphthalate	SW8270C	4/1/14	04/02/14	5	4.09	125	ND		mg/Kg	419961	11205
Fluoranthene	SW8270C	4/1/14	04/02/14	5	5.01	12.5	ND		mg/Kg	419961	11205
Benzidine	SW8270C	4/1/14	04/02/14	5	14.2	37.5	ND		mg/Kg	419961	11205
Pyrene	SW8270C	4/1/14	04/02/14	5	5.56	12.5	ND		mg/Kg	419961	11205
Benzyl butyl phthalate	SW8270C	4/1/14	04/02/14	5	3.38	125	ND		mg/Kg	419961	11205
Benz[a]anthracene	SW8270C	4/1/14	04/02/14	5	5.66	12.5	ND		mg/Kg	419961	11205
3,3'-Dichlorobenzidine	SW8270C	4/1/14	04/02/14	5	5.78	37.5	ND		mg/Kg	419961	11205
Chrysene	SW8270C	4/1/14	04/02/14	5	6.68	12.5	ND		mg/Kg	419961	11205
Bis(2-Ethylhexyl)phthalate	SW8270C	4/1/14	04/02/14	5	3.15	125	ND		mg/Kg	419961	11205
Di-n-octyl phthalate	SW8270C	4/1/14	04/02/14	5	5.21	12.5	ND		mg/Kg	419961	11205
Benzo[b]fluoranthene	SW8270C	4/1/14	04/02/14	5	5.03	12.5	ND		mg/Kg	419961	11205
Benzo[k]fluoranthene	SW8270C	4/1/14	04/02/14	5	6.41	12.5	ND		mg/Kg	419961	11205
Benzo[a]pyrene	SW8270C	4/1/14	04/02/14	5	5.10	12.5	ND		mg/Kg	419961	11205
Indeno[1,2,3-cd]pyrene	SW8270C	4/1/14	04/02/14	5	4.95	12.5	ND		mg/Kg	419961	11205
Dibenz[a,h]anthracene	SW8270C	4/1/14	04/02/14	5	5.74	12.5	ND		mg/Kg	419961	11205
Benzo[g,h,i]perylene	SW8270C	4/1/14	04/02/14	5	5.70	12.5	ND		mg/Kg	419961	11205
1,4-Dinitrobenzene	SW8270C	4/1/14	04/02/14	5	5.70	12.5	ND		mg/Kg	419961	11205
2,4,6-Tribromophenol (S)	SW8270C	4/1/14	04/02/14	5	19	122	8.14	S	%	419961	11205

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Christina Ellsworth
PGE (Oakland)

Date Received: 04/01/14
Date Reported: 04/02/14

Client Sample ID:	Oak-Soil	**Lab Sample ID:**	1404003-001A
Project Name/Location:	4801 Oakland St	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	03/31/14 / 12:00		
Tag Number:	4801 Oakland St		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
2-Fluorobiphenyl (S)	SW8270C	4/1/14	04/02/14	5	30	115	14.2	S	%	419961	11205
2-Fluorophenol (S)	SW8270C	4/1/14	04/02/14	5	25	121	13.2	S	%	419961	11205
Nitrobenzene-d5 (S)	SW8270C	4/1/14	04/02/14	5	23	120	7.99	S	%	419961	11205
Phenol-d6 (S)	SW8270C	4/1/14	04/02/14	5	24	113	10.8	S	%	419961	11205
p-Terphenyl-d14 (S)	SW8270C	4/1/14	04/02/14	5	18	137	18.8		%	419961	11205

NOTE: Reporting limits increased due to necessary dilution of the sample (potential matrix interference from the nature of the sample matrix - viscous/dark color extract)
Surrogate recovery outside the laboratory control limit due to matrix interference

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	4/1/14	04/01/14	1	30	100	ND		ug/Kg	419957	11207
(S) 4-Bromofluorobenzene	8260TPH	4/1/14	04/01/14	1	43.9	127	100		%	419957	11207

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel	SW8015B(M)	4/1/14	04/01/14	2	20.0	80	ND		mg/Kg	419964	11194
TPH as Motor Oil	SW8015B(M)	4/1/14	04/01/14	2	40.0	410	2300		mg/Kg	419964	11194
Pentacosane (S)	SW8015B(M)	4/1/14	04/01/14	2	57.9	129	110		%	419964	11194

MB Summary Report

Work Order:	1404003	**Prep Method:**	3546_TPH	**Prep Date:**	04/01/14	**Prep Batch:**	11194
Matrix:	Soil	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	04/01/14	**Analytical Batch:**	419964
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Diesel	0.497	2.0	ND	
TPH as Motor Oil	1.03	10	1.6	
Pentacosane (S)			123	

Work Order:	1404003	**Prep Method:**	3050	**Prep Date:**	04/01/14	**Prep Batch:**	11200
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	04/01/14	**Analytical Batch:**	419948
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony	0.20	5.0	ND	
Arsenic	0.25	1.7	ND	
Barium	0.07	5.0	0.55	
Beryllium	0.0800	2.0	ND	
Cadmium	0.055	1.0	ND	
Chromium	0.050	5.0	0.14	
Cobalt	0.055	5.0	ND	
Copper	0.65	5.0	ND	
Lead	0.14	1.0	0.26	
Molybdenum	0.12	5.0	ND	
Nickel	0.050	5.0	0.080	
Selenium	0.42	5.0	ND	
Silver	0.37	1.0	ND	
Thallium	0.49	5.0	ND	
Vanadium	0.18	5.0	ND	
Zinc	0.25	5.0	ND	

Work Order:	1404003	**Prep Method:**	7471	**Prep Date:**	04/01/14	**Prep Batch:**	11201
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	04/02/14	**Analytical Batch:**	419949
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Mercury	0.2	0.50	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1404003	**Prep Method:**	3546_SVO	**Prep Date:**	04/01/14	**Prep Batch:**	11205
Matrix:	Soil	**Analytical Method:**	SW8270C	**Analyzed Date:**	04/02/14	**Analytical Batch:**	419961
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Pyridine	0.120	1.50	ND	
N-Nitrosdimethylamine	0.167	1.50	ND	
Aniline	0.186	0.500	ND	
Phenol	0.195	1.00	ND	
Bis(2-chloroethyl) ether	0.104	0.500	ND	
2-Chlorophenol	0.195	0.500	ND	
1,3-Dichlorobenzene	0.111	0.500	ND	
1,4-Dichlorobenzene	0.101	0.500	ND	
Benzyl Alcohol	0.158	1.50	ND	
1,2-Dichlorobenzene	0.108	0.500	ND	
2-Methylphenol (o-Cresol)	0.176	1.00	ND	
Bis(2-chloroisopropyl)ether	0.104	0.500	ND	
3-/4-Methylphenol (p-/m-Cresol)	0.210	1.00	ND	
N-nitroso-di-n-propylamine	0.141	0.500	ND	
Hexachloroethane	0.0705	0.500	ND	
Nitrobenzene	0.0800	0.500	ND	
Isophorone	0.0870	0.500	ND	
2-Nitrophenol	0.0795	1.00	ND	
2,4-Dimethylphenol	0.201	1.00	ND	
Benzoic Acid	0.0848	1.50	ND	
Bis(2-Chloroethoxy)methane	0.0885	0.500	ND	
2,4-Dichlorophenol	0.158	1.00	ND	
1,2,4-Trichlorobenzene	0.111	0.500	ND	
2,6-Dichlorophenol	0.158	1.00	ND	
Naphthalene	0.137	0.500	ND	
4-Chloroaniline	0.150	0.500	ND	
Hexachloro-1,3-butadiene	0.0990	0.500	ND	
4-Chloro-3-methylphenol	0.155	1.00	ND	
2-Methylnaphthalene	0.120	0.500	ND	
1-Methylnaphthalene	0.120	0.500	ND	
Hexachlorocyclopentadiene	0.0420	0.500	ND	
2,4,6-Trichlorophenol	0.144	1.00	ND	
2,4,5-Trichlorophenol	0.183	1.00	ND	
2-Chloronaphthalene	0.0900	0.500	ND	
2-Nitroaniline	0.105	0.500	ND	
Dimethyl phthalate	0.179	0.500	ND	
1,3-Dinitrobenzene	0.160	0.500	ND	
Acenaphthylene	0.129	0.500	ND	
2,6-Dinitrotoluene	0.0405	0.500	ND	
1,2-Dinitrobenzene	0.130	0.500	ND	
3-Nitroaniline	0.105	0.500	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1404003	**Prep Method:**	3546_SVO	**Prep Date:**	04/01/14	**Prep Batch:**	11205
Matrix:	Soil	**Analytical Method:**	SW8270C	**Analyzed Date:**	04/02/14	**Analytical Batch:**	419961
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Acenaphthene	0.146	0.500	ND	
2,4-Dinitrophenol	0.0450	2.50	ND	
4-Nitrophenol	0.101	2.50	ND	
Dibenzofuran	0.119	0.500	ND	
2,4-Dinitrotoluene	0.0405	0.500	ND	
2,3,5,6-Tetrachlorophenol	0.180	1.00	ND	
2,3,4,6-Tetrachlorophenol	0.180	1.00	ND	
Diethylphthalate	0.177	5.00	ND	
Fluorene	0.150	0.500	ND	
4-Chlorophenyl phenyl ether	0.122	0.500	ND	
4-Nitroaniline	0.122	0.500	ND	
4,6-Dinitro-2-methylphenol	0.101	1.00	ND	
Diphenylamine	0.101	0.500	ND	
Azobenzene	0.165	0.500	ND	
4-Bromophenyl phenyl ether	0.123	0.500	ND	
Hexachlorobenzene	0.153	0.500	ND	
Pentachlorophenol	0.155	1.00	ND	
Phenanthrene	0.215	0.500	ND	
Anthracene	0.201	0.500	ND	
Carbazole	0.201	0.500	ND	
Di-n-butylphthalate	0.164	5.00	ND	
Fluoranthene	0.201	0.500	ND	
Benzidine	0.567	1.50	ND	
Pyrene	0.223	0.500	ND	
Benzyl butyl phthalate	0.135	5.00	ND	
Benz[a]anthracene	0.227	0.500	ND	
3,3'-Dichlorobenzidine	0.231	1.50	ND	
Chrysene	0.267	0.500	ND	
Bis(2-Ethylhexyl)phthalate	0.126	5.00	ND	
Di-n-octyl phthalate	0.209	0.500	ND	
Benzo[b]fluoranthene	0.201	0.500	ND	
Benzo[k]fluoranthene	0.257	0.500	ND	
Benzo[a]pyrene	0.204	0.500	ND	
Indeno[1,2,3-cd]pyrene	0.198	0.500	ND	
Dibenz[a,h]anthracene	0.230	0.500	ND	
Benzo[g,h,i]perylene	0.228	0.500	ND	
1,4-Dinitrobenzene	0.228	0.500	ND	
2,4,6-Tribromophenol (S)			60.4	
2-Fluorobiphenyl (S)			81.7	
2-Fluorophenol (S)			105	
Nitrobenzene-d5 (S)			82.3	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1404003	**Prep Method:**	3546_SVO	**Prep Date:**	04/01/14	**Prep Batch:**	11205
Matrix:	Soil	**Analytical Method:**	SW8270C	**Analyzed Date:**	04/02/14	**Analytical Batch:**	419961
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Phenol-d6 (S)			103	
p-Terphenyl-d14 (S)			98.5	

Work Order:	1404003	**Prep Method:**	5035	**Prep Date:**	04/01/14	**Prep Batch:**	11207
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	04/01/14	**Analytical Batch:**	419957
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	30	100	79	
(S) 4-Bromofluorobenzene			105	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1404003	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	04/01/14	**Analytical Batch:**	419957
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	4.4	10	ND	
Chloromethane	4.6	10	ND	
Vinyl Chloride	2.6	10	ND	
Bromomethane	4.7	10	ND	
Trichlorofluoromethane	2.9	10	ND	
1,1-Dichloroethene	1.5	10	ND	
Freon 113	3.7	10	ND	
Methylene Chloride	2.0	50	ND	
trans-1,2-Dichloroethene	1.1	10	ND	
MTBE	2.6	10	ND	
tert-Butanol	21	50	ND	
Diisopropyl ether (DIPE)	2.2	10	ND	
1,1-Dichloroethane	1.3	10	ND	
ETBE	2.4	10	ND	
cis-1,2-Dichloroethene	1.8	10	ND	
2,2-Dichloropropane	1.2	10	ND	
Bromochloromethane	2.3	10	ND	
Chloroform	1.2	10	ND	
Carbon Tetrachloride	1.6	10	ND	
1,1,1-Trichloroethane	1.2	10	ND	
1,1-Dichloropropene	1.4	10	ND	
Benzene	1.5	10	ND	
TAME	2.1	10	ND	
1,2-Dichloroethane	1.9	10	ND	
Trichloroethylene	3.9	10	ND	
Dibromomethane	2.2	10	ND	
1,2-Dichloropropane	1.3	10	ND	
Bromodichloromethane	1.1	10	ND	
cis-1,3-Dichloropropene	1.4	10	ND	
Toluene	0.98	10	ND	
Tetrachloroethylene	1.8	10	ND	
trans-1,3-Dichloropropene	1.2	10	ND	
1,1,2-Trichloroethane	1.8	10	ND	
Dibromochloromethane	1.1	10	ND	
1,3-Dichloropropane	2.1	10	ND	
1,2-Dibromoethane	1.7	10	ND	
Ethyl Benzene	0.86	10	ND	
Chlorobenzene	4.2	10	ND	
1,1,1,2-Tetrachloroethane	0.86	10	ND	
m,p-Xylene	1.9	10	ND	
o-Xylene	0.66	5.0	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1404003	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	04/01/14	**Analytical Batch:**	419957
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Styrene	0.77	10	ND		
Bromoform	1.9	10	ND		
Isopropyl Benzene	1.2	10	ND		
n-Propylbenzene	1.4	10	ND		
Bromobenzene	1.2	10	ND		
1,1,2,2-Tetrachloroethane	3.0	10	ND		
1,3,5-Trimethylbenzene	1.1	10	ND		
1,2,3-Trichloropropane	3.3	10	ND		
4-Chlorotoluene	1.6	10	ND		
2-Chlorotoluene	1.6	10	ND		
tert-Butylbenzene	1.4	10	ND		
1,2,4-Trimethylbenzene	1.1	10	ND		
sec-Butyl Benzene	1.6	10	ND		
p-Isopropyltoluene	1.5	10	ND		
1,3-Dichlorobenzene	1.8	10	ND		
1,4-Dichlorobenzene	1.5	10	ND		
n-Butylbenzene	2.2	10	ND		
1,2-Dichlorobenzene	1.3	10	ND		
1,2-Dibromo-3-Chloropropane	4.2	10	ND		
Hexachlorobutadiene	2.6	10	ND		
1,2,4-Trichlorobenzene	2.1	10	ND		
Naphthalene	2.8	10	ND		
1,2,3-Trichlorobenzene	2.9	10	ND		
(S) Dibromofluoromethane			110		
(S) Toluene-d8			116		
(S) 4-Bromofluorobenzene			104		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1404003	**Prep Method:**	3546_TPH	**Prep Date:**	04/01/14	**Prep Batch:**	11194
Matrix:	Soil	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	04/01/14	**Analytical Batch:**	419964
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel	0.497	2	ND	25	84.3	80.0	5.23	50.3 - 115	30	
Pentacosane (S)			1.6	100	126	111		57.9 - 129		

Work Order:	1404003	**Prep Method:**	3050	**Prep Date:**	04/01/14	**Prep Batch:**	11200
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	04/01/14	**Analytical Batch:**	419948
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.20	5.0	ND	50	92.8	95.2	2.51	30.7 - 130	30	
Arsenic	0.25	1.7	ND	50	91.7	93.9	2.32	71 - 121	30	
Barium	0.07	5.0	0.55	50	96.7	106	9.55	70.2 - 130	30	
Beryllium	0.0800	2.0	ND	50	97.0	95.2	1.89	73.3 - 115	30	
Cadmium	0.055	1.0	ND	50	91.2	99.0	8.17	68.7 - 110	30	
Chromium	0.050	5.0	0.14	50	95.5	104	8.14	76 - 116	30	
Cobalt	0.055	5.0	ND	50	93.2	103	9.99	57.4 - 122	30	
Copper	0.65	5.0	ND	50	103	112	8.19	74.8 - 119	30	
Lead	0.14	1.0	0.26	50	94.0	96.4	2.50	67.9 - 118	30	
Molybdenum	0.12	5.0	ND	50	98.9	101	2.10	62.9 - 123	30	
Nickel	0.050	5.0	0.080	50	91.6	101	9.86	61.5 - 122	30	
Selenium	0.42	5.0	ND	50	84.4	87.0	3.06	62 - 111	30	
Silver	0.37	1.0	ND	50	92.8	101	8.07	81.1 - 109	30	
Thallium	0.49	5.0	ND	50	93.6	96.2	2.75	39.2 - 125	30	
Vanadium	0.18	5.0	ND	50	97.6	108	9.93	65.8 - 122	30	
Zinc	0.25	5.0	ND	50	88.4	97.2	9.49	59.9 - 122	30	

Work Order:	1404003	**Prep Method:**	7471	**Prep Date:**	04/01/14	**Prep Batch:**	11201
Matrix:	Soil	**Analytical Method:**	SW7471A	**Analyzed Date:**	04/02/14	**Analytical Batch:**	419949
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.2	0.50	ND	1.25	98.6	94.9	3.86	80.5 - 133	30	

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1404003	**Prep Method:**	3546_SVO	**Prep Date:**	04/01/14	**Prep Batch:**	11205
Matrix:	Soil	**Analytical Method:**	SW8270C	**Analyzed Date:**	04/02/14	**Analytical Batch:**	419961
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Phenol	0.195	1.0	ND	2	84.2	87.6	4.18	40 - 116	30	
2-Chlorophenol	0.195	0.50	ND	2	78.2	83.2	6.17	59.3 - 97.0	30	
1,4-Dichlorobenzene	0.101	0.50	ND	1	76.7	78.9	2.84	42.0 - 111	30	
N-nitroso-di-n-propylamine	0.141	0.50	ND	2	79.6	82.4	3.64	25.0 - 135	30	
1,2,4-Trichlorobenzene	0.111	0.50	ND	1	92.9	97.2	4.50	41.0 - 120	30	
4-Chloro-3-methylphenol	0.155	1.0	ND	2	81.4	88.2	7.85	46 - 121	30	
Acenaphthene	0.146	0.50	ND	1	72.4	78.0	7.45	47.0 - 121	30	
4-Nitrophenol	0.101	2.5	ND	2	63.6	61.7	2.86	18 - 131	30	
2,4-Dinitrotoluene	0.0405	0.50	ND	1	87.3	91.5	4.67	57 - 120	30	
Pentachlorophenol	0.155	1.0	ND	2	81.0	80.3	0.873	24.6 - 141	30	
Pyrene	0.223	0.50	ND	1	74.9	79.3	5.69	58.6 - 132	30	
Phenol-d6 (S)			ND	40	81.5	84.8		37.9 - 125		
2-Fluorophenol (S)			ND	40	84.3	89.0		31.2 - 128		
2,4,6-Tribromophenol (S)			ND	40	69.8	71.9		41.8 - 121		
Nitrobenzene-d5 (S)			ND	20	83.5	89.7		37.9 - 122		
2-Fluorobiphenyl (S)			ND	20	82.2	86.7		44.3 - 118		
p-Terphenyl-d14 (S)			ND	20	95.4	104		38.2 - 147		

Work Order:	1404003	**Prep Method:**	5035	**Prep Date:**	04/01/14	**Prep Batch:**	11207
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	04/01/14	**Analytical Batch:**	419957
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	30	100	79	1000	97.5	94.8	2.78	64.0 - 133.2	30	
(S) 4-Bromofluorobenzene			105	50	96.8	97.2		43.9 - 127		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1404003	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	04/01/14	**Analytical Batch:**	419957
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	1.5	10	ND	50	94.7	100	5.56	53.7 - 139	30	
Benzene	1.5	10	ND	50	116	122	5.18	66.5 - 135	30	
Trichloroethylene	3.9	10	ND	50	111	116	3.74	57.5 - 150	30	
Toluene	0.98	10	ND	50	117	120	2.68	56.8 - 134	30	
Chlorobenzene	4.2	10	ND	50	102	108	5.74	57.4 - 134	30	
(S) Dibromofluoromethane			ND	50	108	112		59.8 - 148		
(S) Toluene-d8			ND	50	120	117		55.2 - 133		
(S) 4-Bromofluorobenzene			ND	50	102	103		55.8 - 141		

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit (PQL) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg.m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the anlayte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: PGE (Oakland)

Project Name: 4801 Oakland St

Work Order No.: 1404003

Date and Time Received: 4/1/2014 14:30

Received By: ldi

Physically Logged By: ldi

Checklist Completed By: ldi

Carrier Name: Client Drop Off

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	No	Temperature:	17	°C
Water-VOA vials have zero headspace?	No VOA vials submitted			
Water-pH acceptable upon receipt?	N/A			

pH Checked by: n/a

pH Adjusted by: n/a

Login Summary Report

Client ID: TL5884 PGE (Oakland)

Project Name: 4801 Oakland St

Project # :

Report Due Date: 4/2/2014

QC Level:

TAT Requested: Next Day Noon:150

Date Received: 4/1/2014

Time Received: 14:30

Comments: Pls. email result to C5b7@PG&E.com /JTG6@PG&E.com. Pls. call Christina Ellsworth for payment

Work Order # : ***1404003***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1404003-001A	Oak-Soil	03/31/14 12:00	Soil	09/28/14			S_7471BHG S_6010BCAM17 S_GCMS-GRO S_8260Full S_TPHDO S_8270Full-B S_8270Full-A	

Sample Note: Due 4/2/14 NOON. Analyze for 8260, TPHg, CAM 17 and TPHDO.

Torrent LABORATORY, INC.

Pacific Gas and Electric Company

62-1174 (Rev 2/99)
Environmental Affairs

1404003

Chain of Custody Record

From: Pacific Gas & Electric Company ☒ PG&E Facility ☐ Sample Site
Address or Location: 4801 OAKPORT ST.
City: OAKLAND, CA (Zip) 94601
Contact Name/Phone No.: CHRISTINA ELLSWORTH

Ship To: Lab Name: TORRENT LAB.
Address: 483 SINCLAIR FRONTAGE RD.
City: MILPITAS, CA (Zip) 95035
Phone No. 408-263-5584
Contact Name:

Turnaround Time
☐ NORMAL (10 days or less) ☐ RUSH ____ (Due Date & Time) ☐ OTHER, Specify ____
☐ TELEPHONE ☐ FAX Give Results to: CHRISTINA (Name) (Ph/FAX)

Project Name:
Project Supervisor (Name/Phone No.):
Sampled by: (Signature) (Print Name)

Analysis Requested

Sample No./ Equipment Serial No.	Sampled Date	Sampled Time	Sample Type/Description	Containers No.	Containers Size	SEE ATTACHED FOR ANALYSIS	Remarks
001A 1. OAK-501C	5-31-14	12:00	SOIL				PLEASE EMAIL RESULTS TO CSB7@PGE.COM JTG6@PGE.COM
2.							
3.							
4.							
5.							
6.							
7.							CALL CHRISTINA ELLSWORTH FOR PAYMENT 925-216-6326
8.							
9.							
10.							
11.							
12.							

RUSH
Date Due: 4-2-14
Time Due: NOON

Relinquished by (Name&Dept.):	Date&Time:	Received by (Name&Dept.):	Date&Time:	Ship Via:
JOE GARCIA / PSC	4-1-14 9:30	L.D. Imboaf	4-1-14	14:30
Relinquished by (Name&Dept.):	Date&Time:	Received by (Name&Dept.):	Date&Time:	Bill of Lading/Airbill No.:
Relinquished by (Name&Dept.):	Date&Time:	Received by (Name&Dept.):	Date&Time:	

SAP Accounting Data: REC LIQ LBL LIR Billing Address:

D/O Temp 17°C

Notes:
1. Samples are discarded by the laboratory 90 days after results are reported unless other arrangements are made.
2. File a copy of this Chain of Custody Record, complete with appropriate laboratory signatures, with the test analysis results.
3. The first "Relinquished by/Date" is the shipping date unless otherwise noted.
4. The final PCB results will be the cumulative results added together for each PCB.
5. When this form is computer-generated, send the completed original to the laboratory, and make copies for the originator and sampler.

Distribution (See note #5)
White: Laboratory
Canary: Originator
Pink: Sampler

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Torrent LABORATORY, INC.

Garcia, Jose T

From: Ellsworth, Christina
Sent: Monday, March 31, 2014 5:36 PM
To: Garcia, Jose T
Subject: Torrent Labs

Hi Joe,

1404003

Please take the soil samples to Torrent Labs located at:

483 Sinclair Frontage Rd
Milpitas, CA 95035
Phone: 408.263.5258

Please put on the chain of custody for them to call me for payment and if there are any questions.The tests to be ran are as follows:

1.)TPH-gas/BTEX, diesel, motor oil range organics
2.) cam 17 metals
3.)VOC's
4.)sVOC's-including MTBE, TBA
5.)fuel oxygenates

Call me if you have any questions.

Thank you!!

Christina Ellsworth, MS, REHS
PG&E Environmental Management, Distribution and Shared Facilities
1100 S. 27th Street
Richmond, Ca. 94804
Cell: (925) 216-6326

Torrent LABORATORY, INC.

Torrent LABORATORY, INC. REQUEST FORM

Rush Turnaround Services

Same Day • 24 Hrs • 48 Hrs • 72 Hrs — Torrent Express™

Confirmation Number |

Date | 4/01/14

Company | PG&E

Ordered By | Christina Ellsworth

Email | xxxxxxxxxxxxxxxxxxxx

(for Rush report)

For Torrent Lab Use Only

Project Name | xxxxxxxxxxxxxxx

Project Number | xxxxxxxxxxxxxx

Order ID | 1404003

Order Taken By | xxxxxxxxxxxxxxx

Accounting |

Project Details

TAT Requested
(please check one)

- ☐ Same Day (2-8 Hours)
- ☑ One Day
  - ☑ Noon
- ☐ 2 Day
  - ☐ Noon
- ☐ 3 Day
  - ☐ Noon
- ☐ 4 Day
  - ☐ Noon

Number of Samples | 1

Matrix | Soil
(i.e., sample type: Is your sample soil, water, etc?)

Analysis | VOCs (including BTEX & fuel oxygenates), TPH gas/diesel/motor oil; CAM 17 metals; SVOCs

☐ Weekend work required (refer to chart below for respective surcharge)

This request form may be a courtesy notice which reflects the rush services requested on the chain-of-custody. Please contact *Torrent Express*™ project management immediately at pm@torrentlab.com with the subject line "Rush TAT Cancellation" if you do not want the analysis(es) to proceed. **Cancellation of a *Torrent Express*™ service may be subject to a cancellation fee.**

In order to facilitate processing and scheduling, please notify Torrent Laboratory at least 24 hours in advance for any *Torrent Express*™ service.

Sample(s) must be received or scheduled for pick-up before 5:00 pm in order to be processed that day; all samples received after 5:00 pm will be processed the following day.

All *Torrent Express*™ Same Day and Next Day rush services will be charged a $250.00 minimum (excluding certain fees) plus the respective surcharge(s); all other *Torrent Express*™ rush services will be charged a $150.00 minimum (excluding certain fees) plus the respective surcharge(s).

The following table briefly describes Torrent Laboratory's *Torrent Express*™ surcharge pricing structure, please refer to your company specific price list for the precise surcharges.

	Same Day	Next Day*	2 Day*	3 Day*	4 Day*
Regular Rush	300%	150%	75%	50%	37.5%
Noon	–	200%	100%	62.5%	50%
Weekend	300%	300%	–	–	–

*business day(s)

483 Sinclair Frontage Rd., Milpitas, CA 95035 | tel: 408.263.5258 | fax: 408.263.8293 | www.torrentlab.com