CDM
100 Pringle Ave, Suite 300
Walnut Creek, California 94596
Tel: (925) 933-2900
Fax: 925-933-4174

RE: Oakland, CA BART Maintenance Shop

Work Order No.: 1502101 Rev: 1

Dear Ryan Wood:

Torrent Laboratory, Inc. received 1 sample(s) on February 13, 2015 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.

Yelena Brodskaya
Technical Manager

March 09, 2015
Date

Date: 3/9/2015

Client: CDM

Project: Oakland, CA BART Maintenance Shop

Work Order: 1502101

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.

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No Cresote markers were found in the 8270 analysis, so Cresote analysis was not performed.

Total Oil and Grease reported value was confirmed by second extraction and analysis.

REVISIONS

Per client request, report revised to include data for Ethanol (as a TIC) and metals analysis.

Note for 8260B: No Ethanol was found by TIC (Tentatively identified compounds).

Rev. 1 (3/9/15)

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Ryan Wood
CDM

Date Received: 02/13/15
Date Reported: 03/09/15

OAK-Soil-021315

1502101-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Chromium	SW6010B	1	0.0500	5.0	28	mg/Kg
Lead	SW6010B	1	0.14	1.0	91	mg/Kg
Nickel	SW6010B	1	0.0500	5.0	27	mg/Kg
Zinc	SW6010B	1	0.25	5.0	220	mg/Kg
TPH(Gasoline)	8260TPH	1	30	100	280	ug/Kg
Total Oil and Grease	SM5520(M)	1	39	50	450	mg/Kg
TPH as Diesel	SW8015B(M)	1	0.500	2.0	9.4	mg/Kg

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Ryan Wood
CDM

Date Received: 02/13/15
Date Reported: 03/09/15

Client Sample ID:	OAK-Soil-021315	**Lab Sample ID:**	1502101-001A
Project Name/Location:	Oakland, CA BART Maintenance Shop	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	02/13/15 / 8:30		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Cadmium	SW6010B	3/3/15	03/03/15	1	0.0550	1.0	ND		mg/Kg	424464	13839
Chromium	SW6010B	3/3/15	03/03/15	1	0.0500	5.0	28		mg/Kg	424464	13839
Lead	SW6010B	3/3/15	03/03/15	1	0.14	1.0	91		mg/Kg	424464	13839
Nickel	SW6010B	3/3/15	03/03/15	1	0.0500	5.0	27		mg/Kg	424464	13839
Zinc	SW6010B	3/3/15	03/03/15	1	0.25	5.0	220		mg/Kg	424464	13839

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Aroclor1016	SW8082	2/16/15	02/16/15	1	0.0230	0.10	ND		mg/Kg	424297	13726
Aroclor1221	SW8082	2/16/15	02/16/15	1	0.0920	0.20	ND		mg/Kg	424297	13726
Aroclor1232	SW8082	2/16/15	02/16/15	1	0.0460	0.10	ND		mg/Kg	424297	13726
Aroclor1242	SW8082	2/16/15	02/16/15	1	0.0430	0.10	ND		mg/Kg	424297	13726
Aroclor1248	SW8082	2/16/15	02/16/15	1	0.0360	0.10	ND		mg/Kg	424297	13726
Aroclor1254	SW8082	2/16/15	02/16/15	1	0.0240	0.10	ND		mg/Kg	424297	13726
Aroclor1260	SW8082	2/16/15	02/16/15	1	0.0270	0.10	ND		mg/Kg	424297	13726
TCMX (S)	SW8082	2/16/15	02/16/15	1	50.4	136	103		%	424297	13726
DCBP (S)	SW8082	2/16/15	02/16/15	1	44	128	108		%	424297	13726

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Ryan Wood
CDM

Date Received: 02/13/15
Date Reported: 03/09/15

Client Sample ID: OAK-Soil-021315
Project Name/Location: Oakland, CA BART Maintenance Shop
Project Number:
Date/Time Sampled: 02/13/15 / 8:30

Lab Sample ID: 1502101-001A
Sample Matrix: Soil

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	02/19/15	1	4.4	10	ND		ug/Kg	424335	NA
Chloromethane	SW8260B	NA	02/19/15	1	4.6	10	ND		ug/Kg	424335	NA
Vinyl Chloride	SW8260B	NA	02/19/15	1	2.6	10	ND		ug/Kg	424335	NA
Bromomethane	SW8260B	NA	02/19/15	1	4.7	10	ND		ug/Kg	424335	NA
Trichlorofluoromethane	SW8260B	NA	02/19/15	1	2.9	10	ND		ug/Kg	424335	NA
1,1-Dichloroethene	SW8260B	NA	02/19/15	1	1.5	10	ND		ug/Kg	424335	NA
Freon 113	SW8260B	NA	02/19/15	1	3.7	10	ND		ug/Kg	424335	NA
Methylene Chloride	SW8260B	NA	02/19/15	1	2.0	50	ND		ug/Kg	424335	NA
trans-1,2-Dichloroethene	SW8260B	NA	02/19/15	1	1.1	10	ND		ug/Kg	424335	NA
MTBE	SW8260B	NA	02/19/15	1	2.6	10	ND		ug/Kg	424335	NA
tert-Butanol	SW8260B	NA	02/19/15	1	21	50	ND		ug/Kg	424335	NA
Diisopropyl ether (DIPE)	SW8260B	NA	02/19/15	1	2.2	10	ND		ug/Kg	424335	NA
1,1-Dichloroethane	SW8260B	NA	02/19/15	1	1.3	10	ND		ug/Kg	424335	NA
ETBE	SW8260B	NA	02/19/15	1	2.4	10	ND		ug/Kg	424335	NA
cis-1,2-Dichloroethene	SW8260B	NA	02/19/15	1	1.8	10	ND		ug/Kg	424335	NA
2,2-Dichloropropane	SW8260B	NA	02/19/15	1	1.2	10	ND		ug/Kg	424335	NA
Bromochloromethane	SW8260B	NA	02/19/15	1	2.3	10	ND		ug/Kg	424335	NA
Chloroform	SW8260B	NA	02/19/15	1	1.2	10	ND		ug/Kg	424335	NA
Carbon Tetrachloride	SW8260B	NA	02/19/15	1	1.6	10	ND		ug/Kg	424335	NA
1,1,1-Trichloroethane	SW8260B	NA	02/19/15	1	1.2	10	ND		ug/Kg	424335	NA
1,1-Dichloropropene	SW8260B	NA	02/19/15	1	1.4	10	ND		ug/Kg	424335	NA
Benzene	SW8260B	NA	02/19/15	1	1.5	10	ND		ug/Kg	424335	NA
TAME	SW8260B	NA	02/19/15	1	2.1	10	ND		ug/Kg	424335	NA
1,2-Dichloroethane	SW8260B	NA	02/19/15	1	1.9	10	ND		ug/Kg	424335	NA
Trichloroethylene	SW8260B	NA	02/19/15	1	3.9	10	ND		ug/Kg	424335	NA
Dibromomethane	SW8260B	NA	02/19/15	1	2.2	10	ND		ug/Kg	424335	NA
1,2-Dichloropropane	SW8260B	NA	02/19/15	1	1.3	10	ND		ug/Kg	424335	NA
Bromodichloromethane	SW8260B	NA	02/19/15	1	1.1	10	ND		ug/Kg	424335	NA
1,4-Dioxane	SW8260B	NA	02/19/15	1	200	200	ND		ug/Kg	424335	NA
cis-1,3-Dichloropropene	SW8260B	NA	02/19/15	1	1.4	10	ND		ug/Kg	424335	NA
Toluene	SW8260B	NA	02/19/15	1	0.98	10	ND		ug/Kg	424335	NA
Tetrachloroethylene	SW8260B	NA	02/19/15	1	1.8	10	ND		ug/Kg	424335	NA
trans-1,3-Dichloropropene	SW8260B	NA	02/19/15	1	1.2	10	ND		ug/Kg	424335	NA
1,1,2-Trichloroethane	SW8260B	NA	02/19/15	1	1.8	10	ND		ug/Kg	424335	NA
Dibromochloromethane	SW8260B	NA	02/19/15	1	1.1	10	ND		ug/Kg	424335	NA
1,3-Dichloropropane	SW8260B	NA	02/19/15	1	2.1	10	ND		ug/Kg	424335	NA
1,2-Dibromoethane	SW8260B	NA	02/19/15	1	1.7	10	ND		ug/Kg	424335	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Ryan Wood
CDM

Date Received: 02/13/15
Date Reported: 03/09/15

Client Sample ID: OAK-Soil-021315
Lab Sample ID: 1502101-001A
Project Name/Location: Oakland, CA BART Maintenance Shop
Sample Matrix: Soil
Project Number:
Date/Time Sampled: 02/13/15 / 8:30

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Ethyl Benzene	SW8260B	NA	02/19/15	1	0.86	10	ND		ug/Kg	424335	NA
Chlorobenzene	SW8260B	NA	02/19/15	1	4.2	10	ND		ug/Kg	424335	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	02/19/15	1	0.86	10	ND		ug/Kg	424335	NA
m,p-Xylene	SW8260B	NA	02/19/15	1	1.9	10	ND		ug/Kg	424335	NA
o-Xylene	SW8260B	NA	02/19/15	1	0.66	5.0	ND		ug/Kg	424335	NA
Styrene	SW8260B	NA	02/19/15	1	0.77	10	ND		ug/Kg	424335	NA
Bromoform	SW8260B	NA	02/19/15	1	1.9	10	ND		ug/Kg	424335	NA
Isopropyl Benzene	SW8260B	NA	02/19/15	1	1.2	10	ND		ug/Kg	424335	NA
n-Propylbenzene	SW8260B	NA	02/19/15	1	1.4	10	ND		ug/Kg	424335	NA
Bromobenzene	SW8260B	NA	02/19/15	1	1.2	10	ND		ug/Kg	424335	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	02/19/15	1	3.0	10	ND		ug/Kg	424335	NA
1,3,5-Trimethylbenzene	SW8260B	NA	02/19/15	1	1.1	10	ND		ug/Kg	424335	NA
1,2,3-Trichloropropane	SW8260B	NA	02/19/15	1	3.3	10	ND		ug/Kg	424335	NA
4-Chlorotoluene	SW8260B	NA	02/19/15	1	1.6	10	ND		ug/Kg	424335	NA
2-Chlorotoluene	SW8260B	NA	02/19/15	1	1.6	10	ND		ug/Kg	424335	NA
tert-Butylbenzene	SW8260B	NA	02/19/15	1	1.4	10	ND		ug/Kg	424335	NA
1,2,4-Trimethylbenzene	SW8260B	NA	02/19/15	1	1.1	10	ND		ug/Kg	424335	NA
sec-Butyl Benzene	SW8260B	NA	02/19/15	1	1.6	10	ND		ug/Kg	424335	NA
p-Isopropyltoluene	SW8260B	NA	02/19/15	1	1.5	10	ND		ug/Kg	424335	NA
1,3-Dichlorobenzene	SW8260B	NA	02/19/15	1	1.8	10	ND		ug/Kg	424335	NA
1,4-Dichlorobenzene	SW8260B	NA	02/19/15	1	1.5	10	ND		ug/Kg	424335	NA
n-Butylbenzene	SW8260B	NA	02/19/15	1	2.2	10	ND		ug/Kg	424335	NA
1,2-Dichlorobenzene	SW8260B	NA	02/19/15	1	1.3	10	ND		ug/Kg	424335	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	02/19/15	1	4.2	10	ND		ug/Kg	424335	NA
Hexachlorobutadiene	SW8260B	NA	02/19/15	1	2.6	10	ND		ug/Kg	424335	NA
1,2,4-Trichlorobenzene	SW8260B	NA	02/19/15	1	2.1	10	ND		ug/Kg	424335	NA
Naphthalene	SW8260B	NA	02/19/15	1	2.8	10	ND		ug/Kg	424335	NA
1,2,3-Trichlorobenzene	SW8260B	NA	02/19/15	1	2.9	10	ND		ug/Kg	424335	NA
(S) Dibromofluoromethane	SW8260B	NA	02/19/15	1	59.8	148	117		%	424335	NA
(S) Toluene-d8	SW8260B	NA	02/19/15	1	55.2	133	109		%	424335	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	02/19/15	1	55.8	141	117		%	424335	NA

NOTE: No Ethanol was found by TIC (Tentatively identified compounds).

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Ryan Wood
CDM

Date Received: 02/13/15
Date Reported: 03/09/15

Client Sample ID: OAK-Soil-021315
Project Name/Location: Oakland, CA BART Maintenance Shop
Project Number:
Date/Time Sampled: 02/13/15 / 8:30

Lab Sample ID: 1502101-001A
Sample Matrix: Soil

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
2-Methylphenol (o-Cresol)	SW8270C	2/16/15	02/16/15	1	0.126	0.720	ND		mg/Kg	424284	13725
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	2/16/15	02/16/15	1	0.151	0.720	ND		mg/Kg	424284	13725

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Pentachlorophenol	SW8270C	2/16/15	02/16/15	1	0.111	0.720	ND		mg/Kg	424284	13725
2,4,6-Tribromophenol (S)	SW8270C	2/16/15	02/16/15	1	19	122	89.1		%	424284	13725
2-Fluorobiphenyl (S)	SW8270C	2/16/15	02/16/15	1	30	115	84.3		%	424284	13725
2-Fluorophenol (S)	SW8270C	2/16/15	02/16/15	1	25	121	99.9		%	424284	13725
Nitrobenzene-d5 (S)	SW8270C	2/16/15	02/16/15	1	23	120	75.5		%	424284	13725
Phenol-d6 (S)	SW8270C	2/16/15	02/16/15	1	24	113	95.4		%	424284	13725
p-Terphenyl-d14 (S)	SW8270C	2/16/15	02/16/15	1	18	137	98.5		%	424284	13725

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Naphthalene	SW8270C	2/16/15	02/16/15	1	0.1685	0.356	ND		mg/Kg	424284	13725
2-Methylnaphthalene	SW8270C	2/16/15	02/16/15	1	0.1145	0.356	ND		mg/Kg	424284	13725
1-Methylnaphthalene	SW8270C	2/16/15	02/16/15	1	0.1145	0.356	ND		mg/Kg	424284	13725
Acenaphthylene	SW8270C	2/16/15	02/16/15	1	0.1073	0.356	ND		mg/Kg	424284	13725
Acenaphthene	SW8270C	2/16/15	02/16/15	1	0.1181	0.356	ND		mg/Kg	424284	13725
Fluorene	SW8270C	2/16/15	02/16/15	1	0.06048	0.356	ND		mg/Kg	424284	13725
Phenanthrene	SW8270C	2/16/15	02/16/15	1	0.1469	0.356	ND		mg/Kg	424284	13725
Anthracene	SW8270C	2/16/15	02/16/15	1	0.1872	0.356	ND		mg/Kg	424284	13725
Fluoranthene	SW8270C	2/16/15	02/16/15	1	0.1771	0.356	ND		mg/Kg	424284	13725
Pyrene	SW8270C	2/16/15	02/16/15	1	0.1375	0.356	ND		mg/Kg	424284	13725
Benz[a]anthracene	SW8270C	2/16/15	02/16/15	1	0.2153	0.356	ND		mg/Kg	424284	13725
Chrysene	SW8270C	2/16/15	02/16/15	1	0.1274	0.716	ND		mg/Kg	424284	13725
Benzo[b]fluoranthene	SW8270C	2/16/15	02/16/15	1	0.1462	0.356	ND		mg/Kg	424284	13725
Benzo[k]fluoranthene	SW8270C	2/16/15	02/16/15	1	0.09432	0.356	ND		mg/Kg	424284	13725
Benzo[a]pyrene	SW8270C	2/16/15	02/16/15	1	0.1620	0.356	ND		mg/Kg	424284	13725
Indeno[1,2,3-cd]pyrene	SW8270C	2/16/15	02/16/15	1	0.09072	0.356	ND		mg/Kg	424284	13725
Dibenz[a,h]anthracene	SW8270C	2/16/15	02/16/15	1	0.04896	0.356	ND		mg/Kg	424284	13725
Benzo[g,h,i]perylene	SW8270C	2/16/15	02/16/15	1	0.05400	0.356	ND		mg/Kg	424284	13725
2-Fluorobiphenyl (S)	SW8270C	2/16/15	02/16/15	1	30	115	84.3		%	424284	13725
p-Terphenyl-d14 (S)	SW8270C	2/16/15	02/16/15	1	37.9	127	98.5		%	424284	13725

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Ryan Wood
CDM

Date Received: 02/13/15
Date Reported: 03/09/15

Client Sample ID:	OAK-Soil-021315	**Lab Sample ID:**	1502101-001A
Project Name/Location:	Oakland, CA BART Maintenance Shop	**Sample Matrix:**	Soil
Project Number:			
Date/Time Sampled:	02/13/15 / 8:30		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	2/19/15	02/19/15	1	30	100	280	x	ug/Kg	424335	13758
(S) 4-Bromofluorobenzene	8260TPH	2/19/15	02/19/15	1	43.9	127	91.9		%	424335	13758

NOTE: x - Does not match pattern of reference Gasoline standard. Hydrocarbons in the range of C5-C12 quantified as Gasoline.

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Total Oil and Grease	SM5520(M)	2/23/15	02/23/15	1	39	50	450		mg/Kg	424362	13777

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Diesel	SW8015B(M)	2/12/15	02/16/15	1	0.500	2.0	9.4	x	mg/Kg	424274	13705
Pentacosane (S)	SW8015B(M)	2/12/15	02/16/15	1	57.9	129	115		%	424274	13705

NOTE: x- Diesel result due to over-lapping of oil range organics within diesel quantified range.

MB Summary Report

Work Order:	1502101	**Prep Method:**	3546_TPHSG	**Prep Date:**	02/12/15	**Prep Batch:**	13705
Matrix:	Soil	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	02/12/15	**Analytical Batch:**	424256
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Diesel (SG)	0.66	2.0	ND	
TPH as Motor Oil (SG)	1.0	10	ND	
Pentacosane (S)			99.6	

Work Order:	1502101	**Prep Method:**	3546_SVOSIM	**Prep Date:**	02/16/15	**Prep Batch:**	13724
Matrix:	Soil	**Analytical Method:**	SW8270C	**Analyzed Date:**	02/16/15	**Analytical Batch:**	424284
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier

Work Order:	1502101	**Prep Method:**	3546_SVO	**Prep Date:**	02/16/15	**Prep Batch:**	13725
Matrix:	Soil	**Analytical Method:**	SW8270C	**Analyzed Date:**	02/16/15	**Analytical Batch:**	424284
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Pyridine	0.0864	1.08	ND	
N-Nitrosdimethylamine	0.120	1.08	ND	
Aniline	0.134	0.360	ND	
Phenol	0.140	0.720	ND	
Bis(2-chloroethyl) ether	0.0745	0.360	ND	
2-Chlorophenol	0.140	0.360	ND	
1,3-Dichlorobenzene	0.0799	0.360	ND	
1,4-Dichlorobenzene	0.0724	0.360	ND	
Benzyl Alcohol	0.113	1.08	ND	
1,2-Dichlorobenzene	0.0778	0.360	ND	
2-Methylphenol (o-Cresol)	0.126	0.720	ND	
Bis(2-chloroisopropyl)ether	0.0745	0.360	ND	
3-/4-Methylphenol (p-/m-Cresol)	0.151	0.720	ND	
N-nitroso-di-n-propylamine	0.102	0.360	ND	
Hexachloroethane	0.0508	0.360	ND	
Nitrobenzene	0.0576	0.360	ND	
Isophorone	0.0626	0.360	ND	
2-Nitrophenol	0.0572	0.720	ND	
2,4-Dimethylphenol	0.145	0.720	ND	
Benzoic Acid	0.0610	1.08	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1502101	**Prep Method:**	3546_SVO	**Prep Date:**	02/16/15	**Prep Batch:**	13725
Matrix:	Soil	**Analytical Method:**	SW8270C	**Analyzed Date:**	02/16/15	**Analytical Batch:**	424284
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Bis(2-Chloroethoxy)methane	0.0637	0.360	ND	
2,4-Dichlorophenol	0.113	0.720	ND	
1,2,4-Trichlorobenzene	0.0799	0.360	ND	
2,6-Dichlorophenol	0.113	0.720	ND	
Naphthalene	0.0983	0.360	ND	
4-Chloroaniline	0.108	0.360	ND	
Hexachloro-1,3-butadiene	0.0713	0.360	ND	
4-Chloro-3-methylphenol	0.111	0.720	ND	
2-Methylnaphthalene	0.0864	0.360	ND	
1-Methylnaphthalene	0.0864	0.360	ND	
Hexachlorocyclopentadiene	0.0302	0.360	ND	
2,4,6-Trichlorophenol	0.104	0.720	ND	
2,4,5-Trichlorophenol	0.132	0.720	ND	
2-Chloronaphthalene	0.0648	0.360	ND	
2-Nitroaniline	0.0756	0.360	ND	
Dimethyl phthalate	0.129	0.360	ND	
1,3-Dinitrobenzene	0.115	0.360	ND	
Acenaphthylene	0.0929	0.360	ND	
2,6-Dinitrotoluene	0.0292	0.360	ND	
1,2-Dinitrobenzene	0.0936	0.360	ND	
3-Nitroaniline	0.0756	0.360	ND	
Acenaphthene	0.105	0.360	ND	
2,4-Dinitrophenol	0.0324	1.80	ND	
4-Nitrophenol	0.0724	1.80	ND	
Dibenzofuran	0.0853	0.360	ND	
2,4-Dinitrotoluene	0.0292	0.360	ND	
2,3,5,6-Tetrachlorophenol	0.130	0.720	ND	
2,3,4,6-Tetrachlorophenol	0.130	0.720	ND	
Diethylphthalate	0.127	3.60	ND	
Fluorene	0.108	0.360	ND	
4-Chlorophenyl phenyl ether	0.0875	0.360	ND	
4-Nitroaniline	0.0875	0.360	ND	
4,6-Dinitro-2-methylphenol	0.0724	0.720	ND	
Diphenylamine	0.0724	0.360	ND	
Azobenzene	0.119	0.360	ND	
4-Bromophenyl phenyl ether	0.0886	0.360	ND	
Hexachlorobenzene	0.110	0.360	ND	
Pentachlorophenol	0.111	0.720	ND	
Phenanthrene	0.154	0.360	ND	
Anthracene	0.145	0.360	ND	
Carbazole	0.145	0.360	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1502101	**Prep Method:**	3546_SVO	**Prep Date:**	02/16/15	**Prep Batch:**	13725
Matrix:	Soil	**Analytical Method:**	SW8270C	**Analyzed Date:**	02/16/15	**Analytical Batch:**	424284
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Di-n-butylphthalate	0.118	3.60	ND	
Fluoranthene	0.144	0.360	ND	
Benzidine	0.408	1.08	ND	
Pyrene	0.160	0.360	ND	
Benzyl butyl phthalate	0.0972	3.60	ND	
Benz[a]anthracene	0.163	0.360	ND	
3,3'-Dichlorobenzidine	0.166	1.08	ND	
Chrysene	0.192	0.360	ND	
Bis(2-Ethylhexyl)phthalate	0.0907	3.60	ND	
Di-n-octyl phthalate	0.150	0.360	ND	
Benzo[b]fluoranthene	0.145	0.360	ND	
Benzo[k]fluoranthene	0.185	0.360	ND	
Benzo[a]pyrene	0.147	0.360	ND	
Indeno[1,2,3-cd]pyrene	0.143	0.360	ND	
Dibenz[a,h]anthracene	0.165	0.360	ND	
Benzo[g,h,i]perylene	0.164	0.360	ND	
1,4-Dinitrobenzene	0.164	0.360	ND	
2,4,6-Tribromophenol (S)			77.6	
2-Fluorobiphenyl (S)			84.0	
2-Fluorophenol (S)			102	
Nitrobenzene-d5 (S)			75.0	
Phenol-d6 (S)			94.0	
p-Terphenyl-d14 (S)			104	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1502101	**Prep Method:**	3546_PCB	**Prep Date:**	02/16/15	**Prep Batch:**	13726
Matrix:	Soil	**Analytical Method:**	SW8082	**Analyzed Date:**	02/16/15	**Analytical Batch:**	424297
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Aroclor1016	0.0230	0.10	ND	
Aroclor1221	0.0920	0.20	ND	
Aroclor1232	0.0460	0.10	ND	
Aroclor1242	0.0430	0.10	ND	
Aroclor1248	0.0360	0.10	ND	
Aroclor1254	0.0240	0.10	ND	
Aroclor1260	0.0270	0.10	ND	
Aroclor1268	0.0270	0.10	ND	
TCMX (S)			101	
DCBP (S)			107	

Work Order:	1502101	**Prep Method:**	5035	**Prep Date:**	02/19/15	**Prep Batch:**	13758
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	02/19/15	**Analytical Batch:**	424335
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	30	100	52	
(S) 4-Bromofluorobenzene			121	

Work Order:	1502101	**Prep Method:**	5520M_TOG/TRPH	**Prep Date:**	02/23/15	**Prep Batch:**	13777
Matrix:	Soil	**Analytical Method:**	SM5520(M)	**Analyzed Date:**	02/23/15	**Analytical Batch:**	424362
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Total Oil and Grease	39	50	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1502101	**Prep Method:**	3050	**Prep Date:**	03/03/15	**Prep Batch:**	13839
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	03/03/15	**Analytical Batch:**	424464
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	0.78		
Beryllium	0.0800	2.0	ND		
Cadmium	0.055	1.0	ND		
Chromium	0.050	5.0	0.28		
Cobalt	0.055	5.0	0.11		
Copper	0.65	5.0	1.3		
Lead	0.14	1.0	ND		
Molybdenum	0.12	5.0	ND		
Nickel	0.050	5.0	0.17		
Selenium	0.42	5.0	ND		
Silver	0.37	5.0	ND		
Thallium	0.49	5.0	ND		
Vanadium	0.18	5.0	ND		
Zinc	0.25	5.0	ND		

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1502101	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	02/19/15	**Analytical Batch:**	424335
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	0.84		

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1502101	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	02/19/15	**Analytical Batch:**	424335
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Styrene	0.77	10	1.4		
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		
Ethanol	5.0	20	ND	TIC	
(S) Dibromofluoromethane			110		
(S) Toluene-d8			104		
(S) 4-Bromofluorobenzene			107		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1502101	**Prep Method:**	3546_TPHSG	**Prep Date:**	02/12/15	**Prep Batch:**	13705
Matrix:	Soil	**Analytical Method:**	SW8015B(M)	**Analyzed Date:**	02/12/15	**Analytical Batch:**	424256
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 (SG)	0.66	2.0	ND	25	80.0	93.5	15.6	50.8 - 111	30	
Pentacosane (S)			ND	200	123	117		49.9 - 144		

Work Order:	1502101	**Prep Method:**	3546_SVOSIM	**Prep Date:**	02/16/15	**Prep Batch:**	13724
Matrix:	Soil	**Analytical Method:**	SW8270C	**Analyzed Date:**	02/16/15	**Analytical Batch:**	424284
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier

Work Order:	1502101	**Prep Method:**	3546_SVO	**Prep Date:**	02/16/15	**Prep Batch:**	13725
Matrix:	Soil	**Analytical Method:**	SW8270C	**Analyzed Date:**	02/16/15	**Analytical Batch:**	424284
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	0.140	0.72	ND	1.6	80.4	85.6	6.12	40 - 116	30	
2-Chlorophenol	0.140	0.36	ND	1.6	76.6	82.2	7.06	59.3 - 97.0	30	
1,4-Dichlorobenzene	0.0724	0.36	ND	0.8	79.2	82.4	3.90	42.0 - 111	30	
N-nitroso-di-n-propylamine	0.102	0.36	ND	1.6	80.0	84.7	5.57	25.0 - 135	30	
1,2,4-Trichlorobenzene	0.0799	0.36	ND	0.8	82.1	86.7	5.46	41.0 - 120	30	
4-Chloro-3-methylphenol	0.111	0.72	ND	1.6	77.6	83.0	6.45	46 - 121	30	
Acenaphthene	0.105	0.36	ND	0.8	78.4	80.3	2.37	47.0 - 121	30	
4-Nitrophenol	0.0724	1.8	ND	1.6	51.8	55.7	7.43	18 - 131	30	
2,4-Dinitrotoluene	0.0292	0.36	ND	0.8	76.9	81.5	5.74	57 - 120	30	
Pentachlorophenol	0.111	0.72	ND	1.6	82.3	86.7	5.10	24.6 - 141	30	
Pyrene	0.160	0.36	ND	0.8	77.4	80.6	4.03	58.6 - 132	30	
Phenol-d6 (S)			ND	40	85.7	91.2		37.9 - 125		
2-Fluorophenol (S)			ND	40	82.6	88.0		31.2 - 128		
2,4,6-Tribromophenol (S)			ND	40	88.1	89.6		41.8 - 121		
Nitrobenzene-d5 (S)			ND	20	78.3	84.0		37.9 - 122		
2-Fluorobiphenyl (S)			ND	20	81.3	84.3		44.3 - 118		
p-Terphenyl-d14 (S)			ND	20	96.4	98.4		38.2 - 147		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1502101	**Prep Method:**	3546_PCB	**Prep Date:**	02/16/15	**Prep Batch:**	13726
Matrix:	Soil	**Analytical Method:**	SW8082	**Analyzed Date:**	02/16/15	**Analytical Batch:**	424297
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Aroclor1016	0.0230	0.10	ND	0.625	103	96.6	6.81	55.6 - 135	30	
Aroclor1260	0.0270	0.10	ND	0.625	105	102	2.71	65.6 - 132	30	
TCMX (S)			ND	0.50	100	102		50.4 - 136		
DCBP (S)			ND	0.50	107	110		44 - 128		

Work Order:	1502101	**Prep Method:**	5035	**Prep Date:**	02/19/15	**Prep Batch:**	13758
Matrix:	Soil	**Analytical Method:**	8260TPH	**Analyzed Date:**	02/19/15	**Analytical Batch:**	424335
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	52	1000	113	98.0	14.4	64.0 - 133.2	30	
(S) 4-Bromofluorobenzene			121	50	120	116		43.9 - 127		

Work Order:	1502101	**Prep Method:**	5520M_TOG/TRPH	**Prep Date:**	02/23/15	**Prep Batch:**	13777
Matrix:	Soil	**Analytical Method:**	SW9014	**Analyzed Date:**	02/23/15	**Analytical Batch:**	424362
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Total Oil and Grease	39	50	ND	2000	76.8	84.8	9.58	60 - 140	30	

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1502101	**Prep Method:**	3050	**Prep Date:**	03/03/15	**Prep Batch:**	13839
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	03/03/15	**Analytical Batch:**	424464
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	97.3	101	3.53	30.7 - 130	30	
Arsenic	0.25	1.7	ND	50	101	102	0.592	71 - 121	30	
Barium	0.07	5.0	0.78	50	105	103	1.63	70.2 - 130	30	
Beryllium	0.0800	2.0	ND	50	99.8	98.5	1.36	73.3 - 115	30	
Cadmium	0.055	1.0	ND	50	95.7	98.7	3.09	68.7 - 110	30	
Chromium	0.050	5.0	0.28	50	101	104	2.93	76 - 116	30	
Cobalt	0.055	5.0	0.11	50	98.7	102	3.29	57.4 - 122	30	
Copper	0.65	5.0	1.3	50	105	103	2.21	74.8 - 119	30	
Lead	0.14	1.0	ND	50	97.6	101	3.52	67.9 - 118	30	
Molybdenum	0.12	5.0	ND	50	102	105	3.09	62.9 - 123	30	
Nickel	0.050	5.0	0.17	50	98.0	101	3.41	61.5 - 122	30	
Selenium	0.42	5.0	ND	50	93.9	98.6	4.90	62 - 111	30	
Silver	0.37	5.0	ND	50	98.7	98.4	0.304	81.1 - 109	30	
Thallium	0.49	5.0	ND	50	99.9	106	6.02	39.2 - 125	30	
Vanadium	0.18	5.0	ND	50	104	103	1.06	65.8 - 122	30	
Zinc	0.25	5.0	ND	50	95.4	98.0	2.69	59.9 - 122	30	

Work Order:	1502101	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	02/19/15	**Analytical Batch:**	424335
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	95.1	91.3	3.92	53.7 - 139	30	
Benzene	1.5	10	ND	50	96.6	94.0	2.74	66.5 - 135	30	
Trichloroethylene	3.9	10	ND	50	91.2	87.7	3.89	57.5 - 150	30	
Toluene	0.98	10	ND	50	96.8	96.5	0.354	56.8 - 134	30	
Chlorobenzene	4.2	10	ND	50	94.9	93.9	1.18	57.4 - 134	30	
(S) Dibromofluoromethane			ND	50	110	108		59.8 - 148		
(S) Toluene-d8			ND	50	106	109		55.2 - 133		
(S) 4-Bromofluorobenzene			ND	50	108	107		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: CDM

Project Name: Oakland, CA BART Maintenance Shop

Work Order No.: 1502101

Date and Time Received: 2/13/2015 10:44

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?	Yes	Temperature:	2	°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: TL5236 CDM

Project Name: Oakland, CA BART Maintenance Shop

Project # :

Report Due Date: 3/9/2015

QC Level:

TAT Requested: 5+ day:0

Date Received: 2/13/2015

Time Received: 10:44

Comments:

Work Order # : ***1502101***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1502101-001A	OAK-Soil-021315	02/13/15 8:30	Soil	08/12/15			S_6010BCAM17 S_8260Full S_GCMS-GRO S_TOG S_Creosote S_8270Full-B S_8270Full-A S_8270PAH S_8082PCB S_TPHDO	

Sample Note: VOCs plus Ethanol & 1,4 Dioxane. 8270=PAHs, PCP, Creosol markers. Analyze for Creosote if Creosol markers are present. Also for TOG, TPH diesel, gas, PCBs

Torrent LABORATORY, INC.

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483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258 RESET
FAX: 408.263.8293
www.torrentlab.com

[redacted]

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO 1502101

Company Name: CDM Smith	Location of Sampling: Oakland, CA BART Maintenance Shop
Address: 100 Pringle Ave, Ste 300	Purpose: soil sampling
City: Walnut Creek State: CA Zip Code: 94596	Special Instructions / Comments: May be direct bill to BART
Telephone: 925-296-8015 FAX:	
REPORT TO: Ryan Wood SAMPLER: Ryan Wood	P.O. #: EMAIL: woodr@cdmsmith.com

TURNAROUND TIME: ☐ 10 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day ☐ 7 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours ☒ 5 Work Days ☐ 1 Work Day ☐ Other

SAMPLE TYPE: ☐ Storm Water ☐ Air ☐ Waste Water ☐ Other ☐ Ground Water ☐ Soil

REPORT FORMAT: ☐ QC Level IV ☐ EDF ☐ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	8260 - HVOC + oxys + petro + lead scav.	8270 - PNA PCP	1,4 Dioxane Creosote (it markers)	TPH D, G	TOG Full	8082 - PCB					REMARKS
001A	OAK-SOIL-021315	2/13/15 / 0830	Soil	2	Stainless Steel Sleeves	X	X	X	X	X	X					

RW 2-13-15

RECPS LI LBL LIR

Temp 2°C

1 Relinquished By: [signature]	Print: Ryan Wood	Date: 2-13-15	Time: 1048	Received By: [signature]	Print: Patti Sandrock	Date: 2/13/15	Time: 10:44
2 Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:

Were Samples Received in Good Condition? ☐ Yes ☐ NO Samples on Ice? ☐ Yes ☐ NO Method of Shipment D/O Sample seals intact? ☐ Yes ☐ NO ☐ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Page ____ of ____

Log In By: ____________ Date: ____________ Log In Reviewed By: ____________ Date:

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Change Order

Work Order: 1502101 **Serial #:** CO15-0063 **Print Date:** 3/2/2015

Project Name: Oakland, CA BART Maintenance Shop

Client: CDM **Requested By:** Ryan Wood

	Requested Date	Requested Time	Extended Price
Additional Test - Analyze sample 001 for Cd, Cr, Pb, Ni, Zn; also report ETOH as TIC; Standard TAT	3/2/2015	2:00:00PM	

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