Detterman, Mark, Env. Health

From: Detterman, Mark, Env. Health
Sent: Tuesday, August 30, 2016 9:39 AM
To: 'Sorbor Twegbe'
Cc: Rebecca Cingolani
Subject: RE: FW: Myrtle Ave (1608099) - RO292

Hi Sorbor,
Thanks for the lab report. In general I'd agree with James that the results are fairly good. The one caveat is for TPHd which was detected at 5,190 micrograms per liter (ug/l; or as the lab reported 5.19 milligrams per liter or mg/l). Potentially this can indicate free phase (FP; or Light Non Aqueous Phased Liquids - LNAPL), but is at the lower end of the range (the State generally recognizes the potential to start at about 5,000 ug/l). Sometimes the FP simply stays inside the tank excavation, many times not. Once Tecaccutite gets in the field we'll collectively be able to see how it worked at this location. In the mean time I'll wait for the work plan from James that we have discussed so we can mutually try to figure out a quick way to obtain the information that is needed.

Mark Detterman
Senior Hazardous Materials Specialist, PG, CEG
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502
Direct: 510.567.6876
Fax: 510.337.9335
Email: mark.detterman@acgov.org

PDF copies of case files can be downloaded at:

http://www.acgov.org/aceh/lop/ust.htm

From: Sorbor Twegbe [mailto:sorbor.twegbe@ousd.org]
Sent: Tuesday, August 30, 2016 8:07 AM
To: Detterman, Mark, Env. Health
Cc: Rebecca Cingolani
Subject: Fwd: FW: Myrtle Ave (1608099)

Good morning Mr. Detterman,

as a courtesy I wanted to forward you the lab results from the monitoring well that was put in place after the removal and clean up of the UST at McClymonds High School some years ago. Can you have a look and share your thoughts or outlook as it relates to these results.

Thanks in advance for your time.

Respectfully,
---------- Forwarded message ----------
From: **James M. Hanlon** <jhanlon@tecaccutite.com>
Date: Fri, Aug 19, 2016 at 7:56 AM
Subject: FW: Myrtle Ave (1608099)
To: Sorbor Twegbe <sorbor.twegbe@ousd.org>

Sorbor,

These results are very good.

I will incorporate them in the SCM.

Best,

Jim

From: Torrent Laboratory, Inc. [mailto:pm@torrentlaboratory.com]
Sent: Thursday, August 18, 2016 7:54 PM
To: TEC Accutite; James M. Hanlon; Torrent Laboratory, Inc.
Subject: Myrtle Ave (1608099)

Hi Jim,

Attached is the report for this project.

--

Best Regards,

Patti and Kathie

Torrent's Project Management Team
(408) 263-5258 ext 204, 206, 209
pm@torrentlaboratory.com

483 Sinclair Frontage Rd
Milpitas, CA 95035
www.torrentlaboratory.com

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Sorbor Gma Twegbe

Environmental Health & Safety Manager
955 High Street
Oakland, California 94601

sorbor.twegbe@ousd.org

510-535-2723office

415-632-0350cell

Arnulfo Cardona
Tec Accutite
262 Michelle Ct
South San Francisco, California 94080
Tel: (650) 616-1200
Fax: (650) 616-1244
Email: tecaccutite@gmail.com

RE: 2607 Myrtle, Oakland

Work Order No.: 1608099

Dear Jim Hanlon:

Torrent Laboratory, Inc. received 1 sample(s) on August 11, 2016 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 L Sandrock
QA Officer

August 18, 2016
Date

Date: 8/18/2016

Client: Tec Accutite

Project: 2607 Myrtle, Oakland

Work Order: 1608099

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.

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Jim Hanlon
Tec Accutite

Date Received: 08/11/16
Date Reported: 08/18/16

Well 00

1608099-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH(Gasoline)	8260TPH	1	29	50	98.1	ug/L
TPH as Diesel	SW8015B	5	0.19	0.50	5.19	mg/L

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

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Hanlon
Tec Accutite

Date/Time Received: 08/11/16, 12:18 pm
Date Reported: 08/18/16

Client Sample ID:	Well 00	**Lab Sample ID:**	1608099-001A
Project Name/Location:	2607 Myrtle, Oakland	**Sample Matrix:**	Water
Project Number:	F1-150810		
Date/Time Sampled:	08/10/16 / 7:55		
SDG:			
Tag Number:	2607 Myrtle St		

Prep Method: 5030VOC **Prep Batch Date/Time:** 8/15/16 9:01:00AM
Prep Batch ID: 1707 **Prep Analyst:** BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Benzene	SW8260B	4.2	0.66	2.1	ND		ug/L	08/15/16	20:42	BP	419286
Toluene	SW8260B	4.2	0.60	2.1	ND		ug/L	08/15/16	20:42	BP	419286
Ethyl Benzene	SW8260B	4.2	0.82	2.1	ND		ug/L	08/15/16	20:42	BP	419286
m,p-Xylene	SW8260B	4.2	1.7	4.2	ND		ug/L	08/15/16	20:42	BP	419286
o-Xylene	SW8260B	4.2	0.65	2.1	ND		ug/L	08/15/16	20:42	BP	419286
Naphthalene	SW8260B	4.2	5.1	8.4	ND		ug/L	08/15/16	20:42	BP	419286
(S) Dibromofluoromethane	SW8260B		61.2 - 131		**130**		%	08/15/16	20:42	BP	419286
(S) Toluene-d8	SW8260B		75.1 - 127		**92.1**		%	08/15/16	20:42	BP	419286
(S) 4-Bromofluorobenzene	SW8260B		64.1 - 120		**96.9**		%	08/15/16	20:42	BP	419286

NOTE: The reporting limits were raised due to the high concentration of non-target heavy end compounds.

Prep Method: 5030GRO **Prep Batch Date/Time:** 8/12/16 9:32:00PM
Prep Batch ID: 1689 **Prep Analyst:** BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	29	50	**98.1**	x	ug/L	08/12/16	14:03	torrent	419254
(S) 4-Bromofluorobenzene	8260TPH		41.5 - 125		**84.9**		ug/L	08/12/16	14:03	torrent	419254

NOTE: x – Does not match pattern of reference Gasoline standard. Reported value is the result of contribution from hydrocarbons heavier than requested fuel into range of C5-C12 quantified as gasoline.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Jim Hanlon
Tec Accutite

Date/Time Received: 08/11/16, 12:18 pm
Date Reported: 08/18/16

Client Sample ID:	Well 00	**Lab Sample ID:**	1608099-001B
Project Name/Location:	2607 Myrtle, Oakland	**Sample Matrix:**	Water
Project Number:	F1-150810		
Date/Time Sampled:	08/10/16 / 7:55		
SDG:			
Tag Number:	2607 Myrtle St		

Prep Method:	3510_TPH	**Prep Batch Date/Time:**	8/15/16 2:12:00PM
Prep Batch ID:	1682	**Prep Analyst:**	MKAUR

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	5	0.19	0.50	**5.19**		mg/L	08/16/16	18:35	MK	419297
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**105**		%	08/16/16	18:35	MK	419297

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1608099	**Prep Method:**	5030VOC	**Prep Date:**	08/12/16	**Prep Batch:**	1672
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	8/12/2016	**Analytical Batch:**	419254
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Dichlorodifluoromethane	0.26	0.50	ND		
Chloromethane	0.17	0.50	ND		
Vinyl Chloride	0.21	0.50	ND		
Bromomethane	0.21	0.50	ND		
Chloroethane	0.11	0.50	ND		
Trichlorofluoromethane	0.19	0.50	ND		
1,1-Dichloroethene	0.14	0.50	ND		
Freon 113	0.34	0.50	ND		
Methylene Chloride	0.13	0.50	ND		
trans-1,2-Dichloroethene	0.16	0.50	ND		
MTBE	0.077	0.50	ND		
tert-Butanol	7.4	10	ND		
Diisopropyl ether (DIPE)	0.12	0.50	ND		
1,1-Dichloroethane	0.12	0.50	ND		
ETBE	0.064	0.50	ND		
cis-1,2-Dichloroethene	0.15	0.50	ND		
2,2-Dichloropropane	0.094	0.50	ND		
Bromochloromethane	0.15	0.50	ND		
Chloroform	0.12	0.50	0.18		
Carbon Tetrachloride	0.16	0.50	ND		
1,1,1-Trichloroethane	0.16	0.50	ND		
1,1-Dichloropropene	0.19	0.50	ND		
Benzene	0.16	0.50	ND		
TAME	0.072	0.50	ND		
1,2-Dichloroethane	0.11	0.50	0.12		
Trichloroethylene	0.15	0.50	ND		
Dibromomethane	0.11	0.50	ND		
1,2-Dichloropropane	0.089	0.50	ND		
Bromodichloromethane	0.076	0.50	ND		
cis-1,3-Dichloropropene	0.078	0.50	ND		
Toluene	0.14	0.50	ND		
Tetrachloroethylene	0.24	0.50	ND		
trans-1,3-Dichloropropene	0.22	0.50	ND		
1,1,2-Trichloroethane	0.076	0.50	ND		
Dibromochloromethane	0.18	0.50	ND		
1,3-Dichloropropane	0.22	0.50	ND		
1,2-Dibromoethane	0.079	0.50	ND		
Chlorobenzene	0.16	0.50	ND		
Ethyl Benzene	0.20	0.50	ND		
1,1,1,2-Tetrachloroethane	0.087	0.50	ND		
m,p-Xylene	0.39	1.0	ND		

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1608099	**Prep Method:**	5030VOC	**Prep Date:**	08/12/16	**Prep Batch:**	1672
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	8/12/2016	**Analytical Batch:**	419254
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
o-Xylene	0.15	0.50	ND	
Styrene	0.11	0.50	ND	
Bromoform	0.076	0.50	ND	
Isopropyl Benzene	0.22	0.50	ND	
n-Propylbenzene	0.30	0.50	ND	
Bromobenzene	0.15	0.50	ND	
1,1,2,2-Tetrachloroethane	0.079	0.50	ND	
2-Chlorotoluene	0.25	0.50	ND	
1,3,5-Trimethylbenzene	0.24	0.50	ND	
1,2,3-Trichloropropane	0.15	0.50	ND	
4-Chlorotoluene	0.22	0.50	ND	
tert-Butylbenzene	0.26	0.50	ND	
1,2,4-Trimethylbenzene	0.23	0.50	ND	
sec-Butyl Benzene	0.30	0.50	ND	
p-Isopropyltoluene	0.27	0.50	ND	
1,3-Dichlorobenzene	0.17	0.50	ND	
1,4-Dichlorobenzene	0.18	0.50	ND	
n-Butylbenzene	0.27	0.50	ND	
1,2-Dichlorobenzene	0.16	0.50	ND	
1,2-Dibromo-3-Chloropropane	0.76	2.0	ND	
Hexachlorobutadiene	0.62	2.0	ND	
1,2,4-Trichlorobenzene	0.93	2.0	ND	
Naphthalene	1.2	2.0	ND	
1,2,3-Trichlorobenzene	1.2	2.0	ND	
(S) Dibromofluoromethane			112	
(S) Toluene-d8			88.0	
(S) 4-Bromofluorobenzene			95.9	

Work Order:	1608099	**Prep Method:**	3510_TPH	**Prep Date:**	08/15/16	**Prep Batch:**	1682
Matrix:	Water	**Analytical Method:**	SW8015B	**Analyzed Date:**	8/15/2016	**Analytical Batch:**	419296
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Diesel	0.037	0.10	ND	
TPH as Motor Oil	0.11	0.40	ND	
Pentacosane (S)			88.1	

MB Summary Report

Work Order:	1608099	**Prep Method:**	5030GRO	**Prep Date:**	08/12/16	**Prep Batch:**	1689
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	8/12/2016	**Analytical Batch:**	419254
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
TPH(Gasoline)	29	50	ND		
(S) 4-Bromofluorobenzene			63.8		

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1608099	**Prep Method:**	5030VOC	**Prep Date:**	08/15/16	**Prep Batch:**	1707
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	8/15/2016	**Analytical Batch:**	419286
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.26	0.50	ND	
Chloromethane	0.17	0.50	ND	
Vinyl Chloride	0.21	0.50	ND	
Bromomethane	0.21	0.50	ND	
Chloroethane	0.11	0.50	ND	
Trichlorofluoromethane	0.19	0.50	ND	
1,1-Dichloroethene	0.14	0.50	ND	
Freon 113	0.34	0.50	ND	
Methylene Chloride	0.13	0.50	ND	
trans-1,2-Dichloroethene	0.16	0.50	ND	
MTBE	0.077	0.50	ND	
tert-Butanol	7.4	10	ND	
Diisopropyl ether (DIPE)	0.12	0.50	ND	
1,1-Dichloroethane	0.12	0.50	ND	
ETBE	0.064	0.50	ND	
cis-1,2-Dichloroethene	0.15	0.50	ND	
2,2-Dichloropropane	0.094	0.50	ND	
Bromochloromethane	0.15	0.50	ND	
Chloroform	0.12	0.50	ND	
Carbon Tetrachloride	0.16	0.50	ND	
1,1,1-Trichloroethane	0.16	0.50	ND	
1,1-Dichloropropene	0.19	0.50	ND	
Benzene	0.16	0.50	ND	
TAME	0.072	0.50	ND	
1,2-Dichloroethane	0.11	0.50	0.12	J
Trichloroethylene	0.15	0.50	ND	
Dibromomethane	0.11	0.50	ND	
1,2-Dichloropropane	0.089	0.50	ND	
Bromodichloromethane	0.076	0.50	ND	
cis-1,3-Dichloropropene	0.078	0.50	ND	
Toluene	0.14	0.50	ND	
Tetrachloroethylene	0.24	0.50	ND	
trans-1,3-Dichloropropene	0.22	0.50	ND	
1,1,2-Trichloroethane	0.076	0.50	ND	
Dibromochloromethane	0.18	0.50	ND	
1,3-Dichloropropane	0.22	0.50	ND	
1,2-Dibromoethane	0.079	0.50	ND	
Chlorobenzene	0.16	0.50	ND	
Ethyl Benzene	0.20	0.50	ND	
1,1,1,2-Tetrachloroethane	0.087	0.50	ND	
m,p-Xylene	0.39	1.0	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1608099	**Prep Method:**	5030VOC	**Prep Date:**	08/15/16	**Prep Batch:**	1707
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	8/15/2016	**Analytical Batch:**	419286
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
o-Xylene	0.15	0.50	ND		
Styrene	0.11	0.50	ND		
Bromoform	0.076	0.50	ND		
Isopropyl Benzene	0.22	0.50	ND		
n-Propylbenzene	0.30	0.50	ND		
Bromobenzene	0.15	0.50	ND		
1,1,2,2-Tetrachloroethane	0.079	0.50	ND		
2-Chlorotoluene	0.25	0.50	ND		
1,3,5-Trimethylbenzene	0.24	0.50	ND		
1,2,3-Trichloropropane	0.15	0.50	ND		
4-Chlorotoluene	0.22	0.50	ND		
tert-Butylbenzene	0.26	0.50	ND		
1,2,4-Trimethylbenzene	0.23	0.50	ND		
sec-Butyl Benzene	0.30	0.50	ND		
p-Isopropyltoluene	0.27	0.50	ND		
1,3-Dichlorobenzene	0.17	0.50	ND		
1,4-Dichlorobenzene	0.18	0.50	ND		
n-Butylbenzene	0.27	0.50	ND		
1,2-Dichlorobenzene	0.16	0.50	ND		
1,2-Dibromo-3-Chloropropane	0.76	2.0	ND		
Hexachlorobutadiene	0.62	2.0	ND		
1,2,4-Trichlorobenzene	0.93	2.0	ND		
Naphthalene	1.2	2.0	ND		
1,2,3-Trichlorobenzene	1.2	2.0	ND		
(S) Dibromofluoromethane			100		
(S) Toluene-d8			90.9		
(S) 4-Bromofluorobenzene			94.6		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1608099	**Prep Method:**	5030VOC	**Prep Date:**	08/12/16	**Prep Batch:**	1672
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	8/12/2016	**Analytical Batch:**	419254
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.14	0.50		17.9	120	109	9.76	61.4 - 129	30	
Benzene	0.16	0.50		17.9	120	138	13.9	66.9 - 140	30	
Trichloroethylene	0.15	0.50		17.9	112	117	4.40	69.3 - 144	30	
Toluene	0.14	0.50		17.9	110	120	11.5	76.6 - 123	30	
Chlorobenzene	0.16	0.50		17.9	106	121	12.8	73.9 - 137	30	
(S) Dibromofluoromethane				17.9	106	118		61.2 - 131		
(S) Toluene-d8				17.9	96.3	101		75.1 - 127		
(S) 4-Bromofluorobenzene				17.9	91.3	102		64.1 - 120		

Work Order:	1608099	**Prep Method:**	3510_TPH	**Prep Date:**	08/15/16	**Prep Batch:**	1682
Matrix:	Water	**Analytical Method:**	SW8015B	**Analyzed Date:**	8/15/2016	**Analytical Batch:**	419296
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	0.037	0.10	ND	1.0	63.5	62.2	2.07	52 - 115	30	
Pentacosane (S)				200	70.1	73.1		59 - 129		

Work Order:	1608099	**Prep Method:**	5030GRO	**Prep Date:**	08/12/16	**Prep Batch:**	1689
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	8/12/2016	**Analytical Batch:**	419254
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	29	50	ND	238	118	88.5	28.8	52.4 - 127	30	
(S) 4-Bromofluorobenzene				11.9	75.9	73.0		41.5 - 125		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1608099	**Prep Method:**	5030VOC	**Prep Date:**	08/15/16	**Prep Batch:**	1707
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	8/15/2016	**Analytical Batch:**	419286
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.14	0.50	ND	17.9	121	96.1	22.7	61.4 - 129	30	
Benzene	0.16	0.50	ND	17.9	137	107	24.8	66.9 - 140	30	
Trichloroethylene	0.15	0.50	ND	17.9	112	91.1	20.4	69.3 - 144	30	
Toluene	0.14	0.50	ND	17.9	116	93.4	21.4	76.6 - 123	30	
Chlorobenzene	0.16	0.50	ND	17.9	112	89.9	21.6	73.9 - 137	30	
(S) Dibromofluoromethane				17.9	128	104		61.2 - 131		
(S) Toluene-d8				17.9	107	87.3		75.1 - 127		
(S) 4-Bromofluorobenzene				17.9	111	86.0		64.1 - 120		

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/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - 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/RLs/LODs 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 analyte 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
ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.
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: Tec Accutite

Project Name: 2607 Myrtle, Oakland

Work Order No.: 1608099

Date and Time Received: 8/11/2016 12:18:00PM

Received By: ke

Physically Logged By: Lorna Imbat

Checklist Completed By:

Carrier Name: FedEx

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:	4.0	°C
Water-VOA vials have zero headspace?	Yes			
Water-pH acceptable upon receipt?				

pH Checked by: n/a

pH Adjusted by: n/a

Comments:

Login Summary Report

Client ID: TL5132 Tec Accutite
Project Name: 2607 Myrtle, Oakland
Project # : F1-150810
Report Due Date: 8/18/2016
QC Level: II
TAT Requested: 5
Date Received: 8/11/2016
Time Received: 12:18 pm

Comments:

Work Order # : ***1608099***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1608099-001A	Well 00	08/10/16 7:55	Water	09/25/16			VOC_W_Pet VOC_W_GRO VOC_W_8260B EDF	
Sample Note:	BTEX,TPHg and Napthalene							
1608099-001B	Well 00	08/10/16 7:55	Water	09/25/16			TPHDO_W_8015B(M)	
Sample Note:	TPHD							

Torrent LABORATORY, INC.

1608099

Confluence Environmental, Inc.
3308 El Camino Ave, Suite 300 #148
Sacramento, CA 95821
916-760-7641 - main
916-473-8617 - fax
www.confluence-env.com

Chain of Custody

Page 1 of 1

Project Name: ~~El Granada Market~~ 2607 Myrtle, Oakland

Job Number: F1-160810

TAT: (STANDARD) 5 DAY 2 DAY 24 HOUR OTHER:

Lab: Torrent	Site Address: 401 Alhambra, El Granada	Confluence PM: Jason Brown
Address: 483 Sinclair Frontage Rd, Milpitas	California Global ID No.: T0608100993	Phone / Fax: 916-760-7641 / 916-473-8617
Contact:	Include EDF w/ Report: (Yes) No	Confluence Log Code: CESC
Phone/ Fax: 408-263-5258	Consultant / PM: TEC / James Hanlon	Report to: James Hanlon
	Phone / Fax: 650-616-1223	Invoice to: TEC

	Sample ID	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: NaOH	Requested Analysis: TPH-G/BTEX/MTBE (8260)	Requested Analysis: TPH-D (8015)	Requested Analysis: NAPHTHALENE	Requested Analysis	Notes and Comments
	WELL 00	0755	8/10/16		X			6	3			3		✓	✓	✓	-001A/B	

Sampler's Name: A. Feeney	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation / Date / Time
Sampler's Company: Confluence Environmental	Confluence	8/10/16	1405	8/10/16 14:60
Shipment Date:	Jason K	8/10/2016	10:54	08/10/2016 10:54
Shipment Method:	Jason K	8/10/2016	1218	

Special Instructions:

4°C #1 Fed Ex Carton

version 1.1 date printed:8/9/16