



alpha

Alpha Analytical Laboratories Inc.

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Corporate: 208 Mason St., Ukiah, CA 95482 • Phone: (707) 468-0401 • Fax: (707) 468-5267

Bay Area: 6398 Dougherty Rd., Suite 35, Dublin, CA 94568 • Phone: (925) 828-6226 • Fax: (925) 828-6309

Central Valley: 9090 Union Park Way, Suite 113, Elk Grove, CA 95624 • Phone: (916) 686-5190 • Fax: (916) 686-5192

ELAP Certificates 1551, 2728, and 2922

18 August 2016

West Bay Sanitary District

Attn: John Simonetti

500 Laurel Street

Menlo Park, CA 94025

RE: WQ Monitoring

Work Order: 16H0265

Enclosed are the results of analyses for samples received by the laboratory on 08/02/16 21:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanette L. Poplin For Robbie C. Phillips

Project Manager



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West Bay Sanitary District
500 Laurel Street
Menlo Park, CA 94025

Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: -

Reported:
08/18/16 15:10

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
G13223 Grab 080216	16H0265-01	Water	08/02/16 09:00	08/02/16 21:00



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08/18/16 15:10

	Result	Reporting Limit	Dilution	Batch	Prepared	Analyzed	Method	Note
G13223 Grab 080216 (16H0265-01)								
		Sample Type: Water			Sampled: 08/02/16 09:00			
Conventional Chemistry Parameters by APHA/EPA Methods								
Hydrogen sulfide	ND mg/L	0.0200	1	AH63759	08/17/16 13:11	08/17/16 13:12	SM4500-S2 H	T-14
pH	7.87 pH Units	1.68	1	AH63288	08/03/16 16:00	08/03/16 17:00	SM4500-H+ B	
Sulfide, dissolved	ND mg/L	0.20	2	AH63505	08/03/16 08:30	08/10/16 15:30	SM4500SD	
Volatile Organic Compounds by EPA Method 624								
Acetone	120 ug/L	5.0	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
Benzene	ND ug/L	0.30	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
Bromodichloromethane	ND ug/L	0.50	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
Bromoform	ND ug/L	0.50	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
Bromomethane	ND ug/L	0.50	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
Carbon tetrachloride	ND ug/L	0.50	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
Chlorobenzene	ND ug/L	0.50	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
Chloroethane	ND ug/L	0.50	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
Chloroform	3.1 ug/L	0.50	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
Chloromethane	ND ug/L	0.50	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
Dibromochloromethane	ND ug/L	0.50	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
1,2-Dibromoethane (EDB)	ND ug/L	0.50	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
1,2-Dichlorobenzene	ND ug/L	0.50	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
1,3-Dichlorobenzene	ND ug/L	0.50	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
1,4-Dichlorobenzene	ND ug/L	0.50	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
1,1-Dichloroethane	ND ug/L	0.50	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
1,2-Dichloroethane	ND ug/L	0.50	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
1,1-Dichloroethene	ND ug/L	0.50	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
cis-1,2-Dichloroethene	ND ug/L	0.50	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
trans-1,2-Dichloroethene	ND ug/L	0.50	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
1,2-Dichloropropane	ND ug/L	0.50	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
cis-1,3-Dichloropropene	ND ug/L	0.50	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
trans-1,3-Dichloropropene	ND ug/L	0.50	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
1,3-Dichloropropene (total)	ND ug/L	0.50	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
Ethylbenzene	ND ug/L	0.50	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
Methyl ethyl ketone	ND ug/L	1.0	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
Methyl isobutyl ketone	ND ug/L	1.0	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
Methylene chloride	ND ug/L	0.50	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
Styrene	ND ug/L	0.50	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
1,1,2,2-Tetrachloroethane	ND ug/L	0.50	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
Tetrachloroethene	ND ug/L	0.50	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
Toluene	1.7 ug/L	0.30	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
1,1,1-Trichloroethane	ND ug/L	0.50	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	

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West Bay Sanitary District
500 Laurel Street
Menlo Park, CA 94025

Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: -

Reported:
08/18/16 15:10

	Result	Reporting Limit	Dilution	Batch	Prepared	Analyzed	Method	Note
G13223 Grab 080216 (16H0265-01)		Sample Type: Water			Sampled: 08/02/16 09:00			
Volatile Organic Compounds by EPA Method 624 (cont'd)								
1,1,2-Trichloroethane	ND ug/L	0.50	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
Trichloroethene	ND ug/L	0.50	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
Vinyl chloride	ND ug/L	0.50	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
o-Xylene	ND ug/L	0.50	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
m,p-Xylene	ND ug/L	0.50	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
Xylenes (total)	ND ug/L	0.50	1	AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
Surrogate: Bromofluorobenzene	95.0 %	81-135		AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
Surrogate: Dibromofluoromethane	81.3 %	46-130		AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	
Surrogate: Toluene-d8	88.0 %	59-132		AH63281	08/03/16 11:00	08/03/16 21:20	EPA 624	



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Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte(s)	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AH63288 - General Preparation										
Duplicate (AH63288-DUP1)		Source: 16H0350-01		Prepared & Analyzed: 08/03/16						
pH	7.30	1.68	pH Units		7.19			1.52	20	T-14
Batch AH63505 - General Preparation										
Blank (AH63505-BLK1)		Prepared: 08/03/16 Analyzed: 08/10/16								
Sulfide, dissolved	ND	0.10	mg/L							
LCS (AH63505-BS1)		Prepared & Analyzed: 08/10/16								
Sulfide, dissolved	0.495	0.10	mg/L	0.492		101	80-120			
Duplicate (AH63505-DUP1)		Source: 16H0926-01		Prepared & Analyzed: 08/10/16						
Sulfide, dissolved	ND	0.10	mg/L		ND				15	
Matrix Spike (AH63505-MS1)		Source: 16H0926-01		Prepared & Analyzed: 08/10/16						
Sulfide, dissolved	0.258	0.10	mg/L	0.492	ND	52.4	80-120			QM-05
Matrix Spike Dup (AH63505-MSD1)		Source: 16H0926-01		Prepared & Analyzed: 08/10/16						
Sulfide, dissolved	0.258	0.10	mg/L	0.492	ND	52.4	80-120	0.00	15	QM-05



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Volatile Organic Compounds by EPA Method 624 - Quality Control

Analyte(s)	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
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Batch AH63281 - VOAs in Water GCMS

Blank (AH63281-BLK1)

Prepared & Analyzed: 08/03/16

Acetone	ND	5.0	ug/L
Benzene	ND	0.30	ug/L
Bromodichloromethane	ND	0.50	ug/L
Bromoform	ND	0.50	ug/L
Bromomethane	ND	0.50	ug/L
Carbon tetrachloride	ND	0.50	ug/L
Chlorobenzene	ND	0.50	ug/L
Chloroethane	ND	0.50	ug/L
Chloroform	ND	0.50	ug/L
Chloromethane	ND	0.50	ug/L
Dibromochloromethane	ND	0.50	ug/L
1,2-Dibromoethane (EDB)	ND	0.50	ug/L
1,2-Dichlorobenzene	ND	0.50	ug/L
1,3-Dichlorobenzene	ND	0.50	ug/L
1,4-Dichlorobenzene	ND	0.50	ug/L
1,1-Dichloroethane	ND	0.50	ug/L
1,2-Dichloroethane	ND	0.50	ug/L
1,1-Dichloroethene	ND	0.50	ug/L
cis-1,2-Dichloroethene	ND	0.50	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,2-Dichloropropane	ND	0.50	ug/L
cis-1,3-Dichloropropene	ND	0.50	ug/L
trans-1,3-Dichloropropene	ND	0.50	ug/L
1,3-Dichloropropene (total)	ND	0.50	ug/L
Ethylbenzene	ND	0.50	ug/L
Methyl ethyl ketone	ND	1.0	ug/L
Methyl isobutyl ketone	ND	1.0	ug/L
Methylene chloride	ND	0.50	ug/L
Styrene	ND	0.50	ug/L
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L
Tetrachloroethene	ND	0.50	ug/L
Toluene	ND	0.30	ug/L
1,1,1-Trichloroethane	ND	0.50	ug/L

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Project Number: -

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08/18/16 15:10

Volatile Organic Compounds by EPA Method 624 - Quality Control

Analyte(s)	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AH63281 - VOAs in Water GCMS										
Blank (AH63281-BLK1)				Prepared & Analyzed: 08/03/16						
1,1,2-Trichloroethane	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
o-Xylene	ND	0.50	ug/L							
m,p-Xylene	ND	0.50	ug/L							
Xylenes (total)	ND	0.50	ug/L							
Surrogate: Bromofluorobenzene	24.1		ug/L	25.0		96.5	81-135			
Surrogate: Dibromofluoromethane	20.2		ug/L	25.0		80.7	46-130			
Surrogate: Toluene-d8	22.3		ug/L	25.0		89.3	59-132			
LCS (AH63281-BS1)				Prepared & Analyzed: 08/03/16						
Acetone	80.9	5.0	ug/L	80.0		101	48-124			
Benzene	19.1	0.30	ug/L	20.0		95.6	82-122			
Bromodichloromethane	20.0	0.50	ug/L	20.0		99.9	86-135			
Bromoform	21.0	0.50	ug/L	20.0		105	76-144			
Bromomethane	22.7	0.50	ug/L	20.0		114	69-145			
Carbon tetrachloride	20.4	0.50	ug/L	20.0		102	77-134			
Chlorobenzene	19.6	0.50	ug/L	20.0		98.0	84-119			
Chloroethane	19.8	0.50	ug/L	20.0		99.1	68-133			
Chloroform	19.2	0.50	ug/L	20.0		96.2	81-122			
Chloromethane	19.7	0.50	ug/L	20.0		98.6	63-129			
Dibromochloromethane	19.9	0.50	ug/L	20.0		99.6	83-135			
1,2-Dibromoethane (EDB)	19.9	0.50	ug/L	20.0		99.6	80-120			
1,2-Dichlorobenzene	20.2	0.50	ug/L	20.0		101	84-121			
1,3-Dichlorobenzene	19.9	0.50	ug/L	20.0		99.4	80-120			
1,4-Dichlorobenzene	19.5	0.50	ug/L	20.0		97.3	84-120			
1,1-Dichloroethane	19.5	0.50	ug/L	20.0		97.6	81-126			
1,2-Dichloroethane	20.1	0.50	ug/L	20.0		100	77-117			
1,1-Dichloroethene	19.4	0.50	ug/L	20.0		96.8	71-151			
cis-1,2-Dichloroethene	19.8	0.50	ug/L	20.0		98.8	84-131			
trans-1,2-Dichloroethene	19.0	0.50	ug/L	20.0		94.9	79-128			
1,2-Dichloropropane	19.8	0.50	ug/L	20.0		99.2	82-125			
cis-1,3-Dichloropropene	20.8	0.50	ug/L	20.0		104	83-128			

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08/18/16 15:10

Volatile Organic Compounds by EPA Method 624 - Quality Control

Analyte(s)	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AH63281 - VOAs in Water GCMS										
LCS (AH63281-BS1)				Prepared & Analyzed: 08/03/16						
trans-1,3-Dichloropropene	20.3	0.50	ug/L	20.0		102	67-129			
Ethylbenzene	20.8	0.50	ug/L	20.0		104	84-124			
Methyl ethyl ketone	41.5	1.0	ug/L	40.0		104	58-157			
Methyl isobutyl ketone	46.3	1.0	ug/L	40.0		116	70-130			
Methylene chloride	19.0	0.50	ug/L	20.0		95.2	72-132			
Styrene	21.6	0.50	ug/L	20.0		108	80-125			
1,1,2,2-Tetrachloroethane	20.0	0.50	ug/L	20.0		99.8	84-115			
Tetrachloroethene	20.2	0.50	ug/L	20.0		101	56-156			
Toluene	20.8	0.30	ug/L	20.0		104	76-137			
1,1,1-Trichloroethane	20.2	0.50	ug/L	20.0		101	70-130			
1,1,2-Trichloroethane	18.9	0.50	ug/L	20.0		94.6	83-122			
Trichloroethene	20.2	0.50	ug/L	20.0		101	84-123			
Vinyl chloride	21.6	0.50	ug/L	20.0		108	70-130			
o-Xylene	21.1	0.50	ug/L	20.0		106	80-126			
m,p-Xylene	42.0	0.50	ug/L	40.0		105	81-124			
Xylenes (total)	63.2	0.50	ug/L	60.0		105	81-126			
Surrogate: Bromofluorobenzene	24.6		ug/L	25.0		98.2	81-135			
Surrogate: Dibromofluoromethane	20.2		ug/L	25.0		80.6	46-130			
Surrogate: Toluene-d8	21.6		ug/L	25.0		86.2	59-132			
LCS Dup (AH63281-BS1)				Prepared & Analyzed: 08/03/16						
Acetone	84.4	5.0	ug/L	80.0		105	48-124	4.24	25	
Benzene	20.0	0.30	ug/L	20.0		100	82-122	4.70	25	
Bromodichloromethane	20.8	0.50	ug/L	20.0		104	86-135	4.02	25	
Bromoform	22.3	0.50	ug/L	20.0		112	76-144	6.14	25	
Bromomethane	23.1	0.50	ug/L	20.0		115	69-145	1.62	25	
Carbon tetrachloride	21.6	0.50	ug/L	20.0		108	77-134	5.67	25	
Chlorobenzene	20.6	0.50	ug/L	20.0		103	84-119	4.73	25	
Chloroethane	20.8	0.50	ug/L	20.0		104	68-133	4.73	25	
Chloroform	20.4	0.50	ug/L	20.0		102	81-122	6.05	25	
Chloromethane	20.0	0.50	ug/L	20.0		99.8	63-129	1.21	25	
Dibromochloromethane	20.7	0.50	ug/L	20.0		104	83-135	4.04	25	
1,2-Dibromoethane (EDB)	20.8	0.50	ug/L	20.0		104	80-120	4.13	25	

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Volatile Organic Compounds by EPA Method 624 - Quality Control

Analyte(s)	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AH63281 - VOAs in Water GCMS										
LCS Dup (AH63281-BSD1)				Prepared & Analyzed: 08/03/16						
1,2-Dichlorobenzene	21.3	0.50	ug/L	20.0		106	84-121	5.06	25	
1,3-Dichlorobenzene	20.6	0.50	ug/L	20.0		103	80-120	3.31	25	
1,4-Dichlorobenzene	19.9	0.50	ug/L	20.0		99.6	84-120	2.29	25	
1,1-Dichloroethane	20.4	0.50	ug/L	20.0		102	81-126	4.66	25	
1,2-Dichloroethane	20.7	0.50	ug/L	20.0		103	77-117	2.89	25	
1,1-Dichloroethene	20.6	0.50	ug/L	20.0		103	71-151	6.25	25	
cis-1,2-Dichloroethene	20.2	0.50	ug/L	20.0		101	84-131	2.01	25	
trans-1,2-Dichloroethene	20.0	0.50	ug/L	20.0		99.8	79-128	5.08	25	
1,2-Dichloropropane	20.9	0.50	ug/L	20.0		105	82-125	5.30	25	
cis-1,3-Dichloropropene	22.3	0.50	ug/L	20.0		112	83-128	6.81	25	
trans-1,3-Dichloropropene	21.4	0.50	ug/L	20.0		107	67-129	5.36	25	
Ethylbenzene	21.8	0.50	ug/L	20.0		109	84-124	4.37	25	
Methyl ethyl ketone	44.3	1.0	ug/L	40.0		111	58-157	6.58	25	
Methyl isobutyl ketone	49.5	1.0	ug/L	40.0		124	70-130	6.58	25	
Methylene chloride	19.8	0.50	ug/L	20.0		99.1	72-132	4.01	25	
Styrene	22.3	0.50	ug/L	20.0		111	80-125	2.87	25	
1,1,2,2-Tetrachloroethane	21.0	0.50	ug/L	20.0		105	84-115	5.37	25	
Tetrachloroethene	20.7	0.50	ug/L	20.0		104	56-156	2.54	25	
Toluene	21.1	0.30	ug/L	20.0		106	76-137	1.67	25	
1,1,2-Trichloroethane	20.7	0.50	ug/L	20.0		104	83-122	8.98	25	
1,1,1-Trichloroethane	21.7	0.50	ug/L	20.0		109	70-130	7.00	25	
Trichloroethene	21.1	0.50	ug/L	20.0		105	84-123	4.07	25	
Vinyl chloride	21.8	0.50	ug/L	20.0		109	70-130	0.553	25	
o-Xylene	22.4	0.50	ug/L	20.0		112	80-126	5.56	25	
m,p-Xylene	43.9	0.50	ug/L	40.0		110	81-124	4.35	25	
Xylenes (total)	66.3	0.50	ug/L	60.0		110	81-126	4.76	25	
Surrogate: Bromofluorobenzene	24.7		ug/L	25.0		98.8	81-135			
Surrogate: Dibromofluoromethane	20.0		ug/L	25.0		80.2	46-130			
Surrogate: Toluene-d8	22.0		ug/L	25.0		87.8	59-132			

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West Bay Sanitary District
500 Laurel Street
Menlo Park, CA 94025

Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: -

Reported:
08/18/16 15:10

Volatile Organic Compounds by EPA Method 624 - Quality Control

Analyte(s)	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AH63281 - VOAs in Water GCMS										
Matrix Spike (AH63281-MS1)	Source: 16G2434-01			Prepared & Analyzed: 08/03/16						
Acetone	85.7	5.0	ug/L	80.0	ND	107	32-164			
Benzene	19.6	0.30	ug/L	20.0	ND	98.0	58-139			
Bromodichloromethane	19.7	0.50	ug/L	20.0	ND	98.6	62-140			
Bromoform	19.8	0.50	ug/L	20.0	ND	98.9	47-165			
Bromomethane	21.0	0.50	ug/L	20.0	ND	105	30-163			
Carbon tetrachloride	21.3	0.50	ug/L	20.0	ND	106	65-153			
Chlorobenzene	19.7	0.50	ug/L	20.0	ND	98.4	58-137			
Chloroethane	21.7	0.50	ug/L	20.0	ND	109	59-141			
Chloroform	20.2	0.50	ug/L	20.0	ND	101	36-151			
Chloromethane	22.1	0.50	ug/L	20.0	ND	111	69-149			
Dibromochloromethane	19.1	0.50	ug/L	20.0	ND	95.7	54-157			
1,2-Dibromoethane (EDB)	19.2	0.50	ug/L	20.0	ND	96.0	40-147			
1,2-Dichlorobenzene	19.6	0.50	ug/L	20.0	ND	97.8	57-137			
1,3-Dichlorobenzene	19.4	0.50	ug/L	20.0	ND	96.8	54-137			
1,4-Dichlorobenzene	18.9	0.50	ug/L	20.0	ND	94.4	61-131			
1,1-Dichloroethane	19.7	0.50	ug/L	20.0	ND	98.4	64-136			
1,2-Dichloroethane	19.7	0.50	ug/L	20.0	ND	98.6	58-133			
1,1-Dichloroethene	20.2	0.50	ug/L	20.0	ND	101	45-178			
cis-1,2-Dichloroethene	20.0	0.50	ug/L	20.0	ND	100	66-141			
trans-1,2-Dichloroethene	19.3	0.50	ug/L	20.0	ND	96.5	59-151			
1,2-Dichloropropane	20.2	0.50	ug/L	20.0	ND	101	62-128			
cis-1,3-Dichloropropene	19.9	0.50	ug/L	20.0	ND	99.3	50-140			
trans-1,3-Dichloropropene	18.9	0.50	ug/L	20.0	ND	94.4	40-144			
Ethylbenzene	21.1	0.50	ug/L	20.0	ND	106	59-147			
Methyl ethyl ketone	37.3	1.0	ug/L	40.0	ND	93.3	62-126			
Methyl isobutyl ketone	42.0	1.0	ug/L	40.0	ND	105	66-127			
Methylene chloride	18.7	0.50	ug/L	20.0	ND	93.4	43-143			
Styrene	21.2	0.50	ug/L	20.0	ND	106	51-157			
1,1,2,2-Tetrachloroethane	19.0	0.50	ug/L	20.0	ND	94.8	73-127			
Tetrachloroethene	20.4	0.50	ug/L	20.0	ND	102	49-148			
Toluene	20.9	0.30	ug/L	20.0	ND	105	59-147			
1,1,1-Trichloroethane	21.0	0.50	ug/L	20.0	ND	105	62-144			
1,1,2-Trichloroethane	18.5	0.50	ug/L	20.0	ND	92.4	62-129			

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West Bay Sanitary District
500 Laurel Street
Menlo Park, CA 94025

Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: -

Reported:
08/18/16 15:10

Volatile Organic Compounds by EPA Method 624 - Quality Control

Analyte(s)	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AH63281 - VOAs in Water GCMS										
Matrix Spike (AH63281-MS1)		Source: 16G2434-01		Prepared & Analyzed: 08/03/16						
Trichloroethene	20.0	0.50	ug/L	20.0	ND	100	58-140			
Vinyl chloride	24.1	0.50	ug/L	20.0	ND	120	53-160			
o-Xylene	21.2	0.50	ug/L	20.0	ND	106	55-148			
m,p-Xylene	42.5	0.50	ug/L	40.0	ND	106	53-147			
Xylenes (total)	63.7	0.50	ug/L	60.0	ND	106	49-153			
Surrogate: Bromofluorobenzene	24.9		ug/L	25.0		99.8	81-135			
Surrogate: Dibromofluoromethane	20.1		ug/L	25.0		80.6	46-130			
Surrogate: Toluene-d8	21.8		ug/L	25.0		87.3	59-132			
Matrix Spike Dup (AH63281-MSD1)		Source: 16G2434-01		Prepared & Analyzed: 08/03/16						
Acetone	88.3	5.0	ug/L	80.0	ND	110	32-164	3.01	25	
Benzene	20.8	0.30	ug/L	20.0	ND	104	58-139	5.89	25	
Bromodichloromethane	21.5	0.50	ug/L	20.0	ND	107	62-140	8.50	25	
Bromoform	21.8	0.50	ug/L	20.0	ND	109	47-165	9.58	25	
Bromomethane	24.7	0.50	ug/L	20.0	ND	123	30-163	15.9	25	
Carbon tetrachloride	22.8	0.50	ug/L	20.0	ND	114	65-153	6.72	25	
Chlorobenzene	21.0	0.50	ug/L	20.0	ND	105	58-137	6.20	25	
Chloroethane	23.2	0.50	ug/L	20.0	ND	116	59-141	6.50	25	
Chloroform	21.8	0.50	ug/L	20.0	ND	109	36-151	7.72	25	
Chloromethane	22.4	0.50	ug/L	20.0	ND	112	69-149	1.35	25	
Dibromochloromethane	20.8	0.50	ug/L	20.0	ND	104	54-157	8.36	25	
1,2-Dibromoethane (EDB)	20.2	0.50	ug/L	20.0	ND	101	40-147	5.22	25	
1,2-Dichlorobenzene	20.9	0.50	ug/L	20.0	ND	104	57-137	6.43	25	
1,3-Dichlorobenzene	20.7	0.50	ug/L	20.0	ND	103	54-137	6.49	25	
1,4-Dichlorobenzene	20.0	0.50	ug/L	20.0	ND	100	61-131	5.91	25	
1,1-Dichloroethane	21.4	0.50	ug/L	20.0	ND	107	64-136	8.32	25	
1,2-Dichloroethane	21.6	0.50	ug/L	20.0	ND	108	58-133	9.24	25	
1,1-Dichloroethene	21.9	0.50	ug/L	20.0	ND	110	45-178	8.36	25	
cis-1,2-Dichloroethene	21.6	0.50	ug/L	20.0	ND	108	66-141	7.60	25	
trans-1,2-Dichloroethene	20.2	0.50	ug/L	20.0	ND	101	59-151	4.41	25	
1,2-Dichloropropane	21.4	0.50	ug/L	20.0	ND	107	62-128	6.15	25	
cis-1,3-Dichloropropene	21.8	0.50	ug/L	20.0	ND	109	50-140	9.27	25	
trans-1,3-Dichloropropene	20.9	0.50	ug/L	20.0	ND	105	40-144	10.2	25	

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Reported:
08/18/16 15:10

Volatile Organic Compounds by EPA Method 624 - Quality Control

Analyte(s)	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AH63281 - VOAs in Water GCMS										
Matrix Spike Dup (AH63281-MSD1)		Source: 16G2434-01			Prepared & Analyzed: 08/03/16					
Ethylbenzene	22.5	0.50	ug/L	20.0	ND	113	59-147	6.46	25	
Methyl ethyl ketone	45.1	1.0	ug/L	40.0	ND	113	62-126	18.9	25	
Methyl isobutyl ketone	49.5	1.0	ug/L	40.0	ND	124	66-127	16.2	25	
Methylene chloride	20.4	0.50	ug/L	20.0	ND	102	43-143	8.81	25	
Styrene	22.9	0.50	ug/L	20.0	ND	115	51-157	8.07	25	
1,1,2,2-Tetrachloroethane	20.9	0.50	ug/L	20.0	ND	105	73-127	9.78	25	
Tetrachloroethene	21.7	0.50	ug/L	20.0	ND	109	49-148	6.07	25	
Toluene	22.1	0.30	ug/L	20.0	ND	110	59-147	5.39	25	
1,1,2-Trichloroethane	20.3	0.50	ug/L	20.0	ND	102	62-129	9.48	25	
1,1,1-Trichloroethane	22.8	0.50	ug/L	20.0	ND	114	62-144	8.39	25	
Trichloroethene	21.4	0.50	ug/L	20.0	ND	107	58-140	6.81	25	
Vinyl chloride	24.4	0.50	ug/L	20.0	ND	122	53-160	1.16	25	
o-Xylene	22.7	0.50	ug/L	20.0	ND	114	55-148	6.93	25	
m,p-Xylene	45.6	0.50	ug/L	40.0	ND	114	53-147	7.13	25	
Xylenes (total)	68.3	0.50	ug/L	60.0	ND	114	49-153	7.06	25	
Surrogate: Bromofluorobenzene	25.0		ug/L	25.0		100	81-135			
Surrogate: Dibromofluoromethane	20.2		ug/L	25.0		81.0	46-130			
Surrogate: Toluene-d8	21.8		ug/L	25.0		87.1	59-132			



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500 Laurel Street
Menlo Park, CA 94025

Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: -

Reported:
08/18/16 15:10

Notes and Definitions

- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
- T-14 Residual chlorine, dissolved oxygen, and pH must be analyzed in the field to meet the EPA specified 15 minute hold time.
- ND Analyte NOT DETECTED at or above the reporting limit
- dry Sample results reported on a dry weight basis
- REC Recovery
- RPD Relative Percent Difference

Company/Name: West Bay Sanitary District		Project ID: WQ Monitoring		Signature below authorizes work under terms stated on reverse side.												Analysis Request		Sample Notes		TAT													
Mailing Address: 500 Laurel Street Menlo Park, CA 94025		Project No:																		24 hr													
Project Contact & Email (Hardcopy or PDF to): John Simonetti jsimonetti@westbaysanitary.org		PO# 25215																		48 hr													
Phone/Fax:		Site Contact: John Simonetti																		Lab Approval													
Field Sampler - Print Name & Signature Mark Praturion		Sample Collection		Container		Preservative		Matrix		Hydrogen Sulfide		624 Volatiles						Required															
Sample Identification		Date Time		40ml Vial		Poly		Glass		Sieve		Other		HCL		HNO3		H2SO4		None		Water		Soil		Other						1 wk	
G13104 Grab				4		1								4						1		x						x		x		2 wk (standard)	
G13220 Grab				4		1								4						1		x						x		x			
G13223 Grab 080216		8/2/0900		4		1								4						1		x						x		x			
Relinquished by: Mark Praturion		Received by: [Signature]		Date 8/2/16		Time 1350		CDPH Write On EDT Report?												Yes <input type="radio"/> No <input type="radio"/>													
Relinquished by: [Signature]		Received by: [Signature]		Date 8/2		Time 1730		State System Number:																									
Relinquished by: [Signature]		Received by: [Signature]		Date 8/2		Time 2100		CA Geotracker EDF Report												Yes <input type="radio"/> No <input type="radio"/>													
Relinquished by:		Received by:		Date		Time		Sampling Company Log Code:																									
Relinquished by:		Received by:		Date		Time		Global ID:																									
Relinquished by:		Received by:		Date		Time		EDF to (Email Address):																									
Relinquished by:		Received by:		Date		Time		Travel and Site Time:																									
Relinquished by:		Received by:		Date		Time		Mileage:																									
Relinquished by:		Received by:		Date		Time		Misc. Supplies:																									