



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com

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

24 August 2016

West Bay Sanitary District

Attn: John Simonetti

500 Laurel Street

Menlo Park, CA 94025

RE: WQ Monitoring

Work Order: 16H0819

Enclosed are the results of analyses for samples received by the laboratory on 08/08/16 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



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com

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

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

Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: [none]

Reported:
08/24/16 16:31

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
G13223 Grab 080516-0700	16H0819-01	Water	08/05/16 07:00	08/08/16 21:00



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com

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

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

Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: [none]

Reported:
08/24/16 16:31

	Result	Reporting Limit	Dilution	Batch	Prepared	Analyzed	Method	Note
G13223 Grab 080516-0700 (16H0819-01)								
		Sample Type: Water			Sampled: 08/05/16 07:00			
Conventional Chemistry Parameters by APHA/EPA Methods								
Hydrogen sulfide	ND mg/L	0.0200	1	AH63977	08/23/16 12:59	08/23/16 12:59	SM4500-S2 H	
pH	7.38 pH Units	1.68	1	AH63523	08/09/16 16:00	08/09/16 17:00	SM4500-H+ B	T-14
Sulfide, dissolved	ND mg/L	0.20	2	AH63919	08/09/16 15:00	08/22/16 14:30	SM4500SD	T-13
Volatile Organic Compounds by EPA Method 624								
Acetone	95 ug/L	5.0	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
Benzene	ND ug/L	0.30	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
Bromodichloromethane	ND ug/L	0.50	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
Bromoform	ND ug/L	0.50	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
Bromomethane	ND ug/L	0.50	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
Carbon tetrachloride	ND ug/L	0.50	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
Chlorobenzene	ND ug/L	0.50	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
Chloroethane	ND ug/L	0.50	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
Chloroform	1.2 ug/L	0.50	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
Chloromethane	ND ug/L	0.50	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
Dibromochloromethane	ND ug/L	0.50	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
1,2-Dibromoethane (EDB)	ND ug/L	0.50	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
1,2-Dichlorobenzene	ND ug/L	0.50	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
1,3-Dichlorobenzene	ND ug/L	0.50	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
1,4-Dichlorobenzene	ND ug/L	0.50	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
1,1-Dichloroethane	ND ug/L	0.50	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
1,2-Dichloroethane	ND ug/L	0.50	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
1,1-Dichloroethene	ND ug/L	0.50	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
cis-1,2-Dichloroethene	ND ug/L	0.50	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
trans-1,2-Dichloroethene	ND ug/L	0.50	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
1,2-Dichloropropane	ND ug/L	0.50	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
cis-1,3-Dichloropropene	ND ug/L	0.50	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
trans-1,3-Dichloropropene	ND ug/L	0.50	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
1,3-Dichloropropene (total)	ND ug/L	0.50	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
Ethylbenzene	ND ug/L	0.50	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
Methyl ethyl ketone	3.1 ug/L	1.0	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
Methyl isobutyl ketone	ND ug/L	1.0	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
Methylene chloride	ND ug/L	0.50	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
Styrene	ND ug/L	0.50	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
1,1,2,2-Tetrachloroethane	ND ug/L	0.50	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
Tetrachloroethene	ND ug/L	0.50	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
Toluene	2.2 ug/L	0.30	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
1,1,1-Trichloroethane	ND ug/L	0.50	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com

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

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

Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: [none]

Reported:
08/24/16 16:31

	Result	Reporting Limit	Dilution	Batch	Prepared	Analyzed	Method	Note
G13223 Grab 080516-0700 (16H0819-01)		Sample Type: Water			Sampled: 08/05/16 07:00			
Volatile Organic Compounds by EPA Method 624 (cont'd)								
1,1,2-Trichloroethane	ND ug/L	0.50	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
Trichloroethene	ND ug/L	0.50	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
Vinyl chloride	ND ug/L	0.50	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
o-Xylene	ND ug/L	0.50	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
m,p-Xylene	ND ug/L	0.50	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
Xylenes (total)	ND ug/L	0.50	1	AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
Surrogate: Bromofluorobenzene	97.9 %	81-135		AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
Surrogate: Dibromofluoromethane	82.0 %	46-130		AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	
Surrogate: Toluene-d8	82.8 %	59-132		AH63801	08/18/16 09:00	08/18/16 17:25	EPA 624	



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com

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

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

Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: [none]

Reported:
08/24/16 16:31

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 AH63919 - General Preparation										
Blank (AH63919-BLK1)				Prepared: 08/08/16 Analyzed: 08/22/16						
Sulfide, dissolved	ND	0.10	mg/L							
LCS (AH63919-BS1)				Prepared & Analyzed: 08/22/16						
Sulfide, dissolved	0.515	0.10	mg/L	0.500		103	80-120			
Duplicate (AH63919-DUP1)				Source: 16H1571-01		Prepared & Analyzed: 08/22/16				
Sulfide, dissolved	ND	0.10	mg/L		ND				15	
Matrix Spike (AH63919-MS1)				Source: 16H1571-01		Prepared & Analyzed: 08/22/16				
Sulfide, dissolved	0.291	0.10	mg/L	0.500	ND	58.2	80-120			QM-05
Matrix Spike Dup (AH63919-MSD1)				Source: 16H1571-01		Prepared & Analyzed: 08/22/16				
Sulfide, dissolved	0.288	0.10	mg/L	0.500	ND	57.6	80-120	1.04	15	QM-05



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com

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

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

Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: [none]

Reported:
08/24/16 16:31

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 AH63801 - VOAs in Water GCMS										
Blank (AH63801-BLK1)				Prepared & Analyzed: 08/18/16						
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							

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com

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

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

Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: [none]

Reported:
08/24/16 16:31

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 AH63801 - VOAs in Water GCMS										
Blank (AH63801-BLK1)				Prepared & Analyzed: 08/18/16						
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	24.0		ug/L	25.0		96.1	81-135			
Surrogate: Dibromofluoromethane	20.7		ug/L	25.0		82.9	46-130			
Surrogate: Toluene-d8	21.0		ug/L	25.0		84.1	59-132			
LCS (AH63801-BS1)				Prepared & Analyzed: 08/18/16						
Acetone	79.5	5.0	ug/L	80.0		99.4	48-124			
Benzene	18.7	0.30	ug/L	20.0		93.3	82-122			
Bromodichloromethane	19.3	0.50	ug/L	20.0		96.4	86-135			
Bromoform	20.3	0.50	ug/L	20.0		102	76-144			
Bromomethane	20.8	0.50	ug/L	20.0		104	69-145			
Carbon tetrachloride	19.9	0.50	ug/L	20.0		99.5	77-134			
Chlorobenzene	20.3	0.50	ug/L	20.0		102	84-119			
Chloroethane	19.9	0.50	ug/L	20.0		99.4	68-133			
Chloroform	19.2	0.50	ug/L	20.0		95.8	81-122			
Chloromethane	18.1	0.50	ug/L	20.0		90.3	63-129			
Dibromochloromethane	19.8	0.50	ug/L	20.0		98.8	83-135			
1,2-Dibromoethane (EDB)	19.2	0.50	ug/L	20.0		96.0	80-120			
1,2-Dichlorobenzene	18.9	0.50	ug/L	20.0		94.7	84-121			
1,3-Dichlorobenzene	18.7	0.50	ug/L	20.0		93.5	80-120			
1,4-Dichlorobenzene	19.0	0.50	ug/L	20.0		94.8	84-120			
1,1-Dichloroethane	18.3	0.50	ug/L	20.0		91.4	81-126			
1,2-Dichloroethane	18.7	0.50	ug/L	20.0		93.6	77-117			
1,1-Dichloroethene	18.6	0.50	ug/L	20.0		93.2	71-151			
cis-1,2-Dichloroethene	18.4	0.50	ug/L	20.0		91.9	84-131			
trans-1,2-Dichloroethene	17.6	0.50	ug/L	20.0		88.2	79-128			
1,2-Dichloropropane	19.3	0.50	ug/L	20.0		96.5	82-125			
cis-1,3-Dichloropropene	20.6	0.50	ug/L	20.0		103	83-128			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com

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

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

Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: [none]

Reported:
08/24/16 16:31

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 AH63801 - VOAs in Water GCMS										
LCS (AH63801-BS1)				Prepared & Analyzed: 08/18/16						
trans-1,3-Dichloropropene	21.6	0.50	ug/L	20.0		108	67-129			
Ethylbenzene	20.1	0.50	ug/L	20.0		101	84-124			
Methyl ethyl ketone	33.4	1.0	ug/L	40.0		83.6	58-157			
Methyl isobutyl ketone	39.3	1.0	ug/L	40.0		98.3	70-130			
Methylene chloride	20.7	0.50	ug/L	20.0		104	72-132			
Styrene	21.3	0.50	ug/L	20.0		106	80-125			
1,1,2,2-Tetrachloroethane	18.6	0.50	ug/L	20.0		92.8	84-115			
Tetrachloroethene	18.7	0.50	ug/L	20.0		93.4	56-156			
Toluene	20.1	0.30	ug/L	20.0		101	76-137			
1,1,1-Trichloroethane	19.3	0.50	ug/L	20.0		96.6	70-130			
1,1,2-Trichloroethane	18.6	0.50	ug/L	20.0		93.1	83-122			
Trichloroethene	20.2	0.50	ug/L	20.0		101	84-123			
Vinyl chloride	21.4	0.50	ug/L	20.0		107	70-130			
o-Xylene	19.7	0.50	ug/L	20.0		98.6	80-126			
m,p-Xylene	40.4	0.50	ug/L	40.0		101	81-124			
Xylenes (total)	60.1	0.50	ug/L	60.0		100	81-126			
Surrogate: Bromofluorobenzene	26.0		ug/L	25.0		104	81-135			
Surrogate: Dibromofluoromethane	20.8		ug/L	25.0		83.1	46-130			
Surrogate: Toluene-d8	21.2		ug/L	25.0		84.8	59-132			
LCS Dup (AH63801-BS1)				Prepared & Analyzed: 08/18/16						
Acetone	77.7	5.0	ug/L	80.0		97.1	48-124	2.33	25	
Benzene	17.8	0.30	ug/L	20.0		89.0	82-122	4.72	25	
Bromodichloromethane	18.3	0.50	ug/L	20.0		91.6	86-135	5.00	25	
Bromoform	19.8	0.50	ug/L	20.0		98.8	76-144	2.80	25	
Bromomethane	21.4	0.50	ug/L	20.0		107	69-145	3.22	25	
Carbon tetrachloride	19.3	0.50	ug/L	20.0		96.6	77-134	3.01	25	
Chlorobenzene	19.5	0.50	ug/L	20.0		97.4	84-119	4.32	25	
Chloroethane	20.0	0.50	ug/L	20.0		100	68-133	0.852	25	
Chloroform	19.0	0.50	ug/L	20.0		95.0	81-122	0.839	25	
Chloromethane	18.3	0.50	ug/L	20.0		91.4	63-129	1.21	25	
Dibromochloromethane	19.9	0.50	ug/L	20.0		99.4	83-135	0.555	25	
1,2-Dibromoethane (EDB)	18.3	0.50	ug/L	20.0		91.6	80-120	4.58	25	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com

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

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

Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: [none]

Reported:
08/24/16 16:31

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 AH63801 - VOAs in Water GCMS										
LCS Dup (AH63801-BS01)				Prepared & Analyzed: 08/18/16						
1,2-Dichlorobenzene	19.5	0.50	ug/L	20.0		97.6	84-121	2.96	25	
1,3-Dichlorobenzene	18.5	0.50	ug/L	20.0		92.4	80-120	1.13	25	
1,4-Dichlorobenzene	19.2	0.50	ug/L	20.0		95.9	84-120	1.15	25	
1,1-Dichloroethane	18.0	0.50	ug/L	20.0		90.2	81-126	1.32	25	
1,2-Dichloroethane	17.8	0.50	ug/L	20.0		89.0	77-117	4.93	25	
1,1-Dichloroethene	18.6	0.50	ug/L	20.0		93.0	71-151	0.161	25	
cis-1,2-Dichloroethene	18.1	0.50	ug/L	20.0		90.5	84-131	1.54	25	
trans-1,2-Dichloroethene	17.6	0.50	ug/L	20.0		88.0	79-128	0.284	25	
1,2-Dichloropropane	19.2	0.50	ug/L	20.0		96.0	82-125	0.519	25	
cis-1,3-Dichloropropene	21.2	0.50	ug/L	20.0		106	83-128	3.11	25	
trans-1,3-Dichloropropene	21.4	0.50	ug/L	20.0		107	67-129	0.886	25	
Ethylbenzene	19.7	0.50	ug/L	20.0		98.6	84-124	2.01	25	
Methyl ethyl ketone	33.6	1.0	ug/L	40.0		84.1	58-157	0.656	25	
Methyl isobutyl ketone	39.9	1.0	ug/L	40.0		99.8	70-130	1.44	25	
Methylene chloride	20.2	0.50	ug/L	20.0		101	72-132	2.49	25	
Styrene	20.9	0.50	ug/L	20.0		105	80-125	1.56	25	
1,1,2,2-Tetrachloroethane	18.2	0.50	ug/L	20.0		91.2	84-115	1.63	25	
Tetrachloroethene	18.5	0.50	ug/L	20.0		92.6	56-156	0.860	25	
Toluene	19.6	0.30	ug/L	20.0		98.2	76-137	2.42	25	
1,1,2-Trichloroethane	18.6	0.50	ug/L	20.0		92.8	83-122	0.323	25	
1,1,1-Trichloroethane	19.2	0.50	ug/L	20.0		95.9	70-130	0.779	25	
Trichloroethene	19.5	0.50	ug/L	20.0		97.6	84-123	3.57	25	
Vinyl chloride	21.7	0.50	ug/L	20.0		108	70-130	1.63	25	
o-Xylene	19.8	0.50	ug/L	20.0		99.2	80-126	0.556	25	
m,p-Xylene	39.7	0.50	ug/L	40.0		99.2	81-124	1.72	25	
Xylenes (total)	59.5	0.50	ug/L	60.0		99.2	81-126	0.969	25	
Surrogate: Bromofluorobenzene	25.2		ug/L	25.0		101	81-135			
Surrogate: Dibromofluoromethane	19.9		ug/L	25.0		79.8	46-130			
Surrogate: Toluene-d8	20.4		ug/L	25.0		81.7	59-132			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com

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

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

Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: [none]

Reported:
08/24/16 16:31

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 AH63801 - VOAs in Water GCMS										
Matrix Spike (AH63801-MS1)	Source: 16H0762-01			Prepared & Analyzed: 08/18/16						
Acetone	84.3	5.0	ug/L	80.0	ND	105	32-164			
Benzene	19.7	0.30	ug/L	20.0	ND	98.3	58-139			
Bromodichloromethane	25.1	0.50	ug/L	20.0	4.95	101	62-140			
Bromoform	21.8	0.50	ug/L	20.0	ND	109	47-165			
Bromomethane	21.3	0.50	ug/L	20.0	ND	107	30-163			
Carbon tetrachloride	22.0	0.50	ug/L	20.0	ND	110	65-153			
Chlorobenzene	20.9	0.50	ug/L	20.0	ND	105	58-137			
Chloroethane	21.3	0.50	ug/L	20.0	ND	106	59-141			
Chloroform	71.9	0.50	ug/L	20.0	50.8	106	36-151			
Chloromethane	21.5	0.50	ug/L	20.0	ND	107	69-149			
Dibromochloromethane	20.9	0.50	ug/L	20.0	ND	105	54-157			
1,2-Dibromoethane (EDB)	19.6	0.50	ug/L	20.0	ND	98.0	40-147			
1,2-Dichlorobenzene	20.3	0.50	ug/L	20.0	ND	101	57-137			
1,3-Dichlorobenzene	19.4	0.50	ug/L	20.0	ND	96.9	54-137			
1,4-Dichlorobenzene	20.5	0.50	ug/L	20.0	ND	102	61-131			
1,1-Dichloroethane	19.6	0.50	ug/L	20.0	ND	98.2	64-136			
1,2-Dichloroethane	18.9	0.50	ug/L	20.0	ND	94.4	58-133			
1,1-Dichloroethene	20.9	0.50	ug/L	20.0	ND	105	45-178			
cis-1,2-Dichloroethene	19.7	0.50	ug/L	20.0	ND	98.6	66-141			
trans-1,2-Dichloroethene	19.0	0.50	ug/L	20.0	ND	95.2	59-151			
1,2-Dichloropropane	20.1	0.50	ug/L	20.0	ND	101	62-128			
cis-1,3-Dichloropropene	21.7	0.50	ug/L	20.0	ND	109	50-140			
trans-1,3-Dichloropropene	22.4	0.50	ug/L	20.0	ND	112	40-144			
Ethylbenzene	21.4	0.50	ug/L	20.0	ND	107	59-147			
Methyl ethyl ketone	36.7	1.0	ug/L	40.0	ND	91.7	62-126			
Methyl isobutyl ketone	43.2	1.0	ug/L	40.0	ND	108	66-127			
Methylene chloride	20.1	0.50	ug/L	20.0	ND	101	43-143			
Styrene	22.2	0.50	ug/L	20.0	ND	111	51-157			
1,1,2,2-Tetrachloroethane	20.0	0.50	ug/L	20.0	ND	99.9	73-127			
Tetrachloroethene	20.4	0.50	ug/L	20.0	ND	102	49-148			
Toluene	21.4	0.30	ug/L	20.0	ND	107	59-147			
1,1,1-Trichloroethane	20.8	0.50	ug/L	20.0	ND	104	62-144			
1,1,2-Trichloroethane	19.6	0.50	ug/L	20.0	ND	98.2	62-129			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com

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

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

Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: [none]

Reported:
08/24/16 16:31

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 AH63801 - VOAs in Water GCMS										
Matrix Spike (AH63801-MS1)		Source: 16H0762-01		Prepared & Analyzed: 08/18/16						
Trichloroethene	21.1	0.50	ug/L	20.0	ND	106	58-140			
Vinyl chloride	23.9	0.50	ug/L	20.0	ND	119	53-160			
o-Xylene	20.9	0.50	ug/L	20.0	ND	105	55-148			
m,p-Xylene	42.6	0.50	ug/L	40.0	ND	106	53-147			
Xylenes (total)	63.5	0.50	ug/L	60.0	ND	106	49-153			
Surrogate: Bromofluorobenzene	25.3		ug/L	25.0		101	81-135			
Surrogate: Dibromofluoromethane	20.9		ug/L	25.0		83.5	46-130			
Surrogate: Toluene-d8	20.7		ug/L	25.0		82.8	59-132			
Matrix Spike Dup (AH63801-MSD1)		Source: 16H0762-01		Prepared & Analyzed: 08/18/16						
Acetone	84.8	5.0	ug/L	80.0	ND	106	32-164	0.520	25	
Benzene	19.2	0.30	ug/L	20.0	ND	95.8	58-139	2.52	25	
Bromodichloromethane	25.1	0.50	ug/L	20.0	4.95	101	62-140	0.120	25	
Bromoform	21.3	0.50	ug/L	20.0	ND	106	47-165	2.51	25	
Bromomethane	22.2	0.50	ug/L	20.0	ND	111	30-163	3.82	25	
Carbon tetrachloride	21.7	0.50	ug/L	20.0	ND	108	65-153	1.51	25	
Chlorobenzene	20.3	0.50	ug/L	20.0	ND	102	58-137	2.76	25	
Chloroethane	21.6	0.50	ug/L	20.0	ND	108	59-141	1.17	25	
Chloroform	71.4	0.50	ug/L	20.0	50.8	103	36-151	0.754	25	
Chloromethane	20.9	0.50	ug/L	20.0	ND	104	69-149	2.83	25	
Dibromochloromethane	21.0	0.50	ug/L	20.0	ND	105	54-157	0.0955	25	
1,2-Dibromoethane (EDB)	19.2	0.50	ug/L	20.0	ND	96.0	40-147	2.11	25	
1,2-Dichlorobenzene	18.8	0.50	ug/L	20.0	ND	94.2	57-137	7.46	25	
1,3-Dichlorobenzene	18.7	0.50	ug/L	20.0	ND	93.3	54-137	3.79	25	
1,4-Dichlorobenzene	18.9	0.50	ug/L	20.0	ND	94.5	61-131	8.02	25	
1,1-Dichloroethane	19.0	0.50	ug/L	20.0	ND	95.0	64-136	3.31	25	
1,2-Dichloroethane	18.5	0.50	ug/L	20.0	ND	92.4	58-133	2.09	25	
1,1-Dichloroethene	20.0	0.50	ug/L	20.0	ND	100	45-178	4.45	25	
cis-1,2-Dichloroethene	19.4	0.50	ug/L	20.0	ND	97.0	66-141	1.64	25	
trans-1,2-Dichloroethene	19.4	0.50	ug/L	20.0	ND	97.1	59-151	1.92	25	
1,2-Dichloropropane	20.2	0.50	ug/L	20.0	ND	101	62-128	0.446	25	
cis-1,3-Dichloropropene	21.8	0.50	ug/L	20.0	ND	109	50-140	0.551	25	
trans-1,3-Dichloropropene	22.3	0.50	ug/L	20.0	ND	111	40-144	0.448	25	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com

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

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

Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: [none]

Reported:
08/24/16 16:31

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 AH63801 - VOAs in Water GCMS										
Matrix Spike Dup (AH63801-MSD1)		Source: 16H0762-01			Prepared & Analyzed: 08/18/16					
Ethylbenzene	21.0	0.50	ug/L	20.0	ND	105	59-147	1.65	25	
Methyl ethyl ketone	33.2	1.0	ug/L	40.0	ND	83.0	62-126	10.0	25	
Methyl isobutyl ketone	42.8	1.0	ug/L	40.0	ND	107	66-127	1.02	25	
Methylene chloride	19.6	0.50	ug/L	20.0	ND	98.2	43-143	2.52	25	
Styrene	21.5	0.50	ug/L	20.0	ND	108	51-157	3.20	25	
1,1,2,2-Tetrachloroethane	19.2	0.50	ug/L	20.0	ND	96.1	73-127	3.88	25	
Tetrachloroethene	19.3	0.50	ug/L	20.0	ND	96.6	49-148	5.24	25	
Toluene	20.8	0.30	ug/L	20.0	ND	104	59-147	2.51	25	
1,1,2-Trichloroethane	18.7	0.50	ug/L	20.0	ND	93.6	62-129	4.75	25	
1,1,1-Trichloroethane	20.8	0.50	ug/L	20.0	ND	104	62-144	0.0480	25	
Trichloroethene	20.8	0.50	ug/L	20.0	ND	104	58-140	1.53	25	
Vinyl chloride	24.3	0.50	ug/L	20.0	ND	121	53-160	1.66	25	
o-Xylene	20.5	0.50	ug/L	20.0	ND	102	55-148	2.17	25	
m,p-Xylene	40.8	0.50	ug/L	40.0	ND	102	53-147	4.32	25	
Xylenes (total)	61.3	0.50	ug/L	60.0	ND	102	49-153	3.61	25	
Surrogate: Bromofluorobenzene	25.4		ug/L	25.0		102	81-135			
Surrogate: Dibromofluoromethane	20.3		ug/L	25.0		81.4	46-130			
Surrogate: Toluene-d8	20.6		ug/L	25.0		82.4	59-132			



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com

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

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

Project Manager: John Simonetti
Project: WQ Monitoring
Project Number: [none]

Reported:
08/24/16 16:31

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-13 Hold time not specified in method.
- 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

