



Alpha

Alpha Analytical Laboratories, Inc.

email: clientservices@alpha-labs.com

Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

11 March 2019

Sample Traps, LLC

Attn: Quality Control Manager

262 Rickenbacker Circle

Livermore, CA 94551

RE: QC- 40ml Clear VOA- HCl

Work Order: 19B2100

Enclosed are the results of analyses for samples received by the laboratory on 02/19/19 08:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanette L. Poplin For Chelsea L. Sandelin

Project Manager



Alpha Analytical Laboratories, Inc. email: clientservices@alpha-labs.com
Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 157429-1

Reported:
03/11/19 12:52

Bay Area: 262 Rickenbacker Circle | Livermore, CA 94551 | T: 925-828-6226 | F: 925-828-6309 | ELAP# 2728
Central Valley: 9090 Union Park Way Suite 113 | Elk Grove, CA 95624 | T: 916-686-5190 | F: 916-686-5192 | ELAP# 2922
North Bay: 110 Liberty Street | Petaluma, CA 94952 | T: 707-769-3128 | F: 707-769-8093 | ELAP# 2303
San Diego Service Center: 2722 Loker Avenue West Suite A | Carlsbad, CA 92010 | T: 760-930-2555 | F: 760-930-2510

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B9042CVBS - 01	19B2100-01	Water	02/15/19 00:00	02/19/19 08:00
B9042CVBS - 02	19B2100-02	Water	02/15/19 00:00	02/19/19 08:00



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Sample Traps, LLC
 262 Rickenbacker Circle
 Livermore CA, 94551

Project Manager: Quality Control Manager
 Project: QC- 40ml Clear VOA- HCl
 Project Number: Navy Silicone Batch Number 157429-1

Reported:
 03/11/19 12:52

Volatile Organic Compounds by EPA Method 524.2

Analyte	Result	MDL	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit	Units							

B9042CVBS - 02 (19B2100-02) Water Sampled: 02/15/19 00:00 Received: 02/19/19 08:00

Acetone	ND	2.0	5.0	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
Acrylonitrile	ND	0.40	5.0	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
Benzene	ND	0.30	0.30	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
Bromobenzene	ND	0.20	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
Bromochloromethane	ND	0.40	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
Bromodichloromethane	ND	0.20	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
Bromoform	ND	0.30	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
Bromomethane	ND	0.40	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
n-Butylbenzene	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
sec-Butylbenzene	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
tert-Butylbenzene	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
Carbon disulfide	ND	0.40	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
Carbon tetrachloride	ND	0.30	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
Chlorobenzene	ND	0.20	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
Chloroethane	ND	0.30	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
Chloroform	ND	0.30	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
Chloromethane	ND	0.40	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
2-Chlorotoluene	ND	0.20	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
4-Chlorotoluene	ND	0.20	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
Dibromochloromethane	ND	0.30	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
1,2-Dibromoethane (EDB)	ND	0.20	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
Dibromomethane	ND	0.20	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
1,2-Dichlorobenzene	ND	0.20	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
1,3-Dichlorobenzene	ND	0.20	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
1,4-Dichlorobenzene	ND	0.20	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
trans-1,4-Dichloro-2-butene	ND	0.90	5.0	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
Dichlorodifluoromethane	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
1,1-Dichloroethane	ND	0.20	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
1,2-Dichloroethane	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
1,1-Dichloroethene	ND	0.30	0.30	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
cis-1,2-Dichloroethene	ND	0.40	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
trans-1,2-Dichloroethene	ND	0.40	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
1,2-Dichloropropane	ND	0.20	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
1,3-Dichloropropane	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
2,2-Dichloropropane	ND	0.30	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U

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 Livermore CA, 94551

Project Manager: Quality Control Manager
 Project: QC- 40ml Clear VOA- HCl
 Project Number: Navy Silicone Batch Number 157429-1

Reported:
 03/11/19 12:52

Volatile Organic Compounds by EPA Method 524.2

Analyte	Result	MDL	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit	Units							

B9042CVBS - 02 (19B2100-02) Water Sampled: 02/15/19 00:00 Received: 02/19/19 08:00

1,1-Dichloropropene	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
cis-1,3-Dichloropropene	ND	0.30	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
trans-1,3-Dichloropropene	ND	0.30	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
1,3-Dichloropropene (total)	ND	0.30	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
2-Hexanone	ND	0.50	5.0	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
Ethylbenzene	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
Hexachlorobutadiene	ND	0.40	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
Isopropylbenzene	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
p-Isopropyltoluene	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
Methyl ethyl ketone	ND	0.60	1.0	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
Methyl iodide	ND	0.40	2.0	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
Methyl isobutyl ketone	ND	0.80	1.0	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
Methylene chloride	ND	0.40	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
Naphthalene	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
n-Propylbenzene	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
Styrene	ND	0.20	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
1,1,1,2-Tetrachloroethane	ND	0.40	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
1,1,2,2-Tetrachloroethane	ND	0.20	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
Tetrachloroethene	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
Toluene	ND	0.30	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
1,2,3-Trichlorobenzene	ND	0.40	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
1,2,4-Trichlorobenzene	ND	0.40	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
1,1,1-Trichloroethane	ND	0.40	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
1,1,2-Trichloroethane	ND	0.20	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
Trichloroethene	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
Trichlorofluoromethane	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
Trichlorotrifluoroethane	ND	0.40	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
1,2,3-Trichloropropane	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
1,2,4-Trimethylbenzene	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
1,3,5-Trimethylbenzene	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
Vinyl chloride	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
m,p-Xylene	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
o-Xylene	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
Xylenes (total)	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
Trihalomethanes (total)	ND	0.30	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
Methyl tert-butyl ether	ND	0.50	3.0	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U

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Sample Traps, LLC
 262 Rickenbacker Circle
 Livermore CA, 94551

Project Manager: Quality Control Manager
 Project: QC- 40ml Clear VOA- HCl
 Project Number: Navy Silicone Batch Number 157429-1

Reported:
 03/11/19 12:52

Volatile Organic Compounds by EPA Method 524.2

Analyte	Result	MDL	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit	Units							

B9042CVBS - 02 (19B2100-02) Water **Sampled: 02/15/19 00:00** **Received: 02/19/19 08:00**

Ethyl tert-butyl ether	ND	0.40	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
Tert-amyl methyl ether	ND	0.30	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	U
<i>Surrogate: Bromofluorobenzene</i>		98.9 %	70-130			AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	
<i>Surrogate: Dibromofluoromethane</i>		84.8 %	70-130			AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	
<i>Surrogate: Toluene-d8</i>		107 %	70-130			AB94178	02/27/19 11:00	02/27/19 15:05	EPA 524.2	JV	



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Sample Traps, LLC
 262 Rickenbacker Circle
 Livermore CA, 94551

Project Manager: Quality Control Manager
 Project: QC- 40ml Clear VOA- HCl
 Project Number: Navy Silicone Batch Number 157429-1

Reported:
 03/11/19 12:52

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit	Units							

B9042CVBS - 01 (19B2100-01) Water Sampled: 02/15/19 00:00 Received: 02/19/19 08:00

Acetone	ND	3.0	5.0	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Acetonitrile	ND	50	100	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Acrylonitrile	ND	0.40	5.0	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Allyl chloride	ND	0.40	10	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Benzene	ND	0.30	0.30	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Bromobenzene	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Bromochloromethane	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Bromodichloromethane	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Bromoform	ND	0.30	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Bromomethane	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
n-Butylbenzene	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
sec-Butylbenzene	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
tert-Butylbenzene	ND	0.30	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Carbon disulfide	ND	0.40	5.0	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Carbon tetrachloride	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Chlorobenzene	ND	0.30	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Chloroethane	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Chloroform	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Chloromethane	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Chloroprene	ND	0.40	1.0	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
2-Chlorotoluene	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
4-Chlorotoluene	ND	0.30	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Dibromochloromethane	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
1,2-Dibromo-3-chloropropane	ND	0.60	2.0	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
1,2-Dibromoethane (EDB)	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Dibromomethane	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
1,2-Dichlorobenzene	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
1,3-Dichlorobenzene	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
1,4-Dichlorobenzene	ND	0.10	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
trans-1,4-Dichloro-2-butene	ND	0.50	5.0	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Dichlorodifluoromethane	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
1,1-Dichloroethane	ND	0.10	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
1,2-Dichloroethane	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
1,1-Dichloroethene	ND	0.30	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
cis-1,2-Dichloroethene	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
trans-1,2-Dichloroethene	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U

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Sample Traps, LLC
 262 Rickenbacker Circle
 Livermore CA, 94551

Project Manager: Quality Control Manager
 Project: QC- 40ml Clear VOA- HCl
 Project Number: Navy Silicone Batch Number 157429-1

Reported:
 03/11/19 12:52

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit	Units							

B9042CVBS - 01 (19B2100-01) Water Sampled: 02/15/19 00:00 Received: 02/19/19 08:00

1,2-Dichloropropane	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
1,3-Dichloropropane	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
2,2-Dichloropropane	ND	0.20	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
1,1-Dichloropropene	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
cis-1,3-Dichloropropene	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
trans-1,3-Dichloropropene	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Diethyl ether	ND	0.20	1.0	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Di-isopropyl ether	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Ethanol	ND	50	50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Ethyl methacrylate	ND	0.70	10	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Ethylbenzene	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Ethyl tert-butyl ether	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Hexachlorobutadiene	ND	0.50	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Hexachloroethane	ND	0.40	1.0	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
2-Hexanone	ND	0.50	5.0	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Isobutanol	ND	40	100	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Isopropylbenzene	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
p-Isopropyltoluene	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Methacrylonitrile	ND	0.40	1.0	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Methylene chloride	ND	0.50	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Methyl ethyl ketone	ND	0.70	1.0	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Methyl iodide	ND	0.40	2.0	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Methyl isobutyl ketone	ND	0.60	1.0	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Methyl methacrylate	ND	0.40	1.0	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Methyl tert-butyl ether	ND	0.50	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Naphthalene	ND	0.50	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Propionitrile	ND	20	50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
n-Propylbenzene	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Styrene	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Tert-amyl methyl ether	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Tert-butyl alcohol	ND	6.0	10	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
1,1,1,2-Tetrachloroethane	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
1,1,2,2-Tetrachloroethane	ND	0.30	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Tetrachloroethene	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Tetrahydrofuran	ND	0.40	5.0	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Toluene	ND	0.30	0.30	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U

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Sample Traps, LLC
 262 Rickenbacker Circle
 Livermore CA, 94551

Project Manager: Quality Control Manager
 Project: QC- 40ml Clear VOA- HCl
 Project Number: Navy Silicone Batch Number 157429-1

Reported:
 03/11/19 12:52

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									

B9042CVBS - 01 (19B2100-01) Water **Sampled: 02/15/19 00:00** **Received: 02/19/19 08:00**

1,2,3-Trichlorobenzene	ND	0.50	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
1,2,4-Trichlorobenzene	ND	0.20	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
1,1,1-Trichloroethane	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
1,1,2-Trichloroethane	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Trichloroethene	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Trichlorofluoromethane	ND	0.20	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
1,2,3-Trichloropropane	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Trichlorotrifluoroethane	ND	0.50	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
1,2,4-Trimethylbenzene	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
1,3,5-Trimethylbenzene	ND	0.30	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Vinyl acetate	ND	0.80	1.0	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Vinyl chloride	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
m,p-Xylene	ND	0.50	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
o-Xylene	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Xylenes (total)	ND	0.50	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	U
Surrogate: Bromofluorobenzene		110 %	70-130			AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	
Surrogate: Dibromofluoromethane		90.7 %	70-130			AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	
Surrogate: Toluene-d8		111 %	70-130			AB93757	02/20/19 11:00	02/20/19 16:07	EPA 8260	JV	



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Sample Traps, LLC
 262 Rickenbacker Circle
 Livermore CA, 94551

Project Manager: Quality Control Manager
 Project: QC- 40ml Clear VOA- HCl
 Project Number: Navy Silicone Batch Number 157429-1

Reported:
 03/11/19 12:52

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AB94178 - VOAs in Water GCMS

Blank (AB94178-BLK1)

Prepared: 02/26/19 Analyzed: 02/27/19

Acetone	ND	2.0	5.0	ug/L							U
Acrylonitrile	ND	0.40	5.0	ug/L							U
Benzene	ND	0.30	0.30	ug/L							U
Bromobenzene	ND	0.20	0.50	ug/L							U
Bromochloromethane	ND	0.40	0.50	ug/L							U
Bromodichloromethane	ND	0.20	0.50	ug/L							U
Bromoform	ND	0.30	0.50	ug/L							U
Bromomethane	ND	0.40	0.50	ug/L							U
n-Butylbenzene	ND	0.50	0.50	ug/L							U
sec-Butylbenzene	ND	0.50	0.50	ug/L							U
tert-Butylbenzene	ND	0.50	0.50	ug/L							U
Carbon disulfide	ND	0.40	0.50	ug/L							U
Carbon tetrachloride	ND	0.30	0.50	ug/L							U
Chlorobenzene	ND	0.20	0.50	ug/L							U
Chloroethane	ND	0.30	0.50	ug/L							U
Chloroform	ND	0.30	0.50	ug/L							U
Chloromethane	ND	0.40	0.50	ug/L							U
2-Chlorotoluene	ND	0.20	0.50	ug/L							U
4-Chlorotoluene	ND	0.20	0.50	ug/L							U
Dibromochloromethane	ND	0.30	0.50	ug/L							U
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L							U
1,2-Dibromoethane (EDB)	ND	0.20	0.50	ug/L							U
Dibromomethane	ND	0.20	0.50	ug/L							U
1,2-Dichlorobenzene	ND	0.20	0.50	ug/L							U
1,3-Dichlorobenzene	ND	0.20	0.50	ug/L							U
trans-1,4-Dichloro-2-butene	ND	0.90	5.0	ug/L							U
1,4-Dichlorobenzene	ND	0.20	0.50	ug/L							U
Dichlorodifluoromethane	ND	0.50	0.50	ug/L							U
1,1-Dichloroethane	ND	0.20	0.50	ug/L							U
1,2-Dichloroethane	ND	0.50	0.50	ug/L							U
1,1-Dichloroethene	ND	0.30	0.30	ug/L							U
cis-1,2-Dichloroethene	ND	0.40	0.50	ug/L							U
trans-1,2-Dichloroethene	ND	0.40	0.50	ug/L							U
1,2-Dichloropropane	ND	0.20	0.50	ug/L							U
1,3-Dichloropropane	ND	0.50	0.50	ug/L							U
2,2-Dichloropropane	ND	0.30	0.50	ug/L							U

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Clear VOA- HCl Project Number: Navy Silicone Batch Number 157429-1	Reported: 03/11/19 12:52
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Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AB94178 - VOAs in Water GCMS

Blank (AB94178-BLK1)

Prepared: 02/26/19 Analyzed: 02/27/19

1,1-Dichloropropene	ND	0.50	0.50	ug/L							U
cis-1,3-Dichloropropene	ND	0.30	0.50	ug/L							U
trans-1,3-Dichloropropene	ND	0.30	0.50	ug/L							U
2-Hexanone	ND	0.50	5.0	ug/L							U
1,3-Dichloropropene (total)	ND	0.30	0.50	ug/L							U
Ethylbenzene	ND	0.50	0.50	ug/L							U
Hexachlorobutadiene	ND	0.40	0.50	ug/L							U
Isopropylbenzene	ND	0.50	0.50	ug/L							U
p-Isopropyltoluene	ND	0.50	0.50	ug/L							U
Methyl ethyl ketone	ND	0.60	1.0	ug/L							U
Methyl iodide	ND	0.40	2.0	ug/L							U
Methyl isobutyl ketone	ND	0.80	1.0	ug/L							U
Methylene chloride	ND	0.40	0.50	ug/L							U
Naphthalene	ND	0.50	0.50	ug/L							U
n-Propylbenzene	ND	0.50	0.50	ug/L							U
Styrene	ND	0.20	0.50	ug/L							U
1,1,1,2-Tetrachloroethane	ND	0.40	0.50	ug/L							U
1,1,2,2-Tetrachloroethane	ND	0.20	0.50	ug/L							U
Tetrachloroethene	ND	0.50	0.50	ug/L							U
Toluene	ND	0.30	0.50	ug/L							U
1,2,3-Trichlorobenzene	ND	0.40	0.50	ug/L							U
1,2,4-Trichlorobenzene	ND	0.40	0.50	ug/L							U
1,1,1-Trichloroethane	ND	0.40	0.50	ug/L							U
1,1,2-Trichloroethane	ND	0.20	0.50	ug/L							U
Trichloroethene	ND	0.50	0.50	ug/L							U
Trichlorofluoromethane	ND	0.50	0.50	ug/L							U
Trichlorotrifluoroethane	ND	0.40	0.50	ug/L							U
1,2,3-Trichloropropane	ND	0.50	0.50	ug/L							U
1,2,4-Trimethylbenzene	ND	0.50	0.50	ug/L							U
1,3,5-Trimethylbenzene	ND	0.50	0.50	ug/L							U
Vinyl chloride	ND	0.50	0.50	ug/L							U
m,p-Xylene	ND	0.50	0.50	ug/L							U
o-Xylene	ND	0.50	0.50	ug/L							U
Xylenes (total)	ND	0.50	0.50	ug/L							U
Trihalomethanes (total)	ND	0.30	0.50	ug/L							U
Methyl tert-butyl ether	ND	0.50	3.0	ug/L							U

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Clear VOA- HCl Project Number: Navy Silicone Batch Number 157429-1	Reported: 03/11/19 12:52
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Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AB94178 - VOAs in Water GCMS

Blank (AB94178-BLK1)

Prepared: 02/26/19 Analyzed: 02/27/19

Ethyl tert-butyl ether	ND	0.40	0.50	ug/L							U
Tert-amyl methyl ether	ND	0.30	0.50	ug/L							U
Surrogate: Bromofluorobenzene	25.1			ug/L	25.0		100	70-130			
Surrogate: Dibromofluoromethane	23.0			ug/L	25.0		91.8	70-130			
Surrogate: Toluene-d8	26.6			ug/L	25.0		107	70-130			

LCS (AB94178-BS1)

Prepared: 02/26/19 Analyzed: 02/27/19

Acetone	15.5	2.0	5.0	ug/L	20.0		77.4	70-130			
Acrylonitrile	4.54	0.40	5.0	ug/L	5.00		90.8	70-130			J
Benzene	4.55	0.30	0.30	ug/L	5.00		91.0	70-130			
Bromobenzene	4.64	0.20	0.50	ug/L	5.00		92.8	70-130			
Bromochloromethane	4.40	0.40	0.50	ug/L	5.00		88.0	70-130			
Bromodichloromethane	5.29	0.20	0.50	ug/L	5.00		106	70-130			
Bromoform	4.70	0.30	0.50	ug/L	5.00		94.0	70-130			
Bromomethane	4.41	0.40	0.50	ug/L	5.00		88.2	70-130			
n-Butylbenzene	4.24	0.50	0.50	ug/L	5.00		84.8	70-130			
sec-Butylbenzene	4.46	0.50	0.50	ug/L	5.00		89.2	70-130			
tert-Butylbenzene	4.52	0.50	0.50	ug/L	5.00		90.4	70-130			
Carbon disulfide	3.75	0.40	0.50	ug/L	5.00		75.0	70-130			
Carbon tetrachloride	4.21	0.30	0.50	ug/L	5.00		84.2	70-130			
Chlorobenzene	4.71	0.20	0.50	ug/L	5.00		94.2	70-130			
Chloroethane	4.37	0.30	0.50	ug/L	5.00		87.4	70-130			
Chloroform	4.74	0.30	0.50	ug/L	5.00		94.8	70-130			
Chloromethane	5.33	0.40	0.50	ug/L	5.00		107	70-130			
2-Chlorotoluene	4.62	0.20	0.50	ug/L	5.00		92.4	70-130			
4-Chlorotoluene	4.61	0.20	0.50	ug/L	5.00		92.2	70-130			
Dibromochloromethane	4.96	0.30	0.50	ug/L	5.00		99.2	70-130			
1,2-Dibromo-3-chloropropane	3.55	0.50	0.50	ug/L	5.00		71.0	70-130			
1,2-Dibromoethane (EDB)	4.52	0.20	0.50	ug/L	5.00		90.4	70-130			
Dibromomethane	4.18	0.20	0.50	ug/L	5.00		83.6	70-130			
1,2-Dichlorobenzene	4.45	0.20	0.50	ug/L	5.00		89.0	70-130			
1,3-Dichlorobenzene	4.54	0.20	0.50	ug/L	5.00		90.8	70-130			
trans-1,4-Dichloro-2-butene	4.36	0.90	5.0	ug/L	5.00		87.2	70-130			J
1,4-Dichlorobenzene	4.45	0.20	0.50	ug/L	5.00		89.0	70-130			
Dichlorodifluoromethane	5.13	0.50	0.50	ug/L	5.00		103	70-130			
1,1-Dichloroethane	4.69	0.20	0.50	ug/L	5.00		93.8	70-130			
1,2-Dichloroethane	4.48	0.50	0.50	ug/L	5.00		89.6	70-130			

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Clear VOA- HCl Project Number: Navy Silicone Batch Number 157429-1	Reported: 03/11/19 12:52
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Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AB94178 - VOAs in Water GCMS

LCS (AB94178-BS1)		Prepared: 02/26/19 Analyzed: 02/27/19									
1,1-Dichloroethene	4.06	0.30	0.30	ug/L	5.00		81.2	70-130			
cis-1,2-Dichloroethene	4.51	0.40	0.50	ug/L	5.00		90.2	70-130			
trans-1,2-Dichloroethene	4.31	0.40	0.50	ug/L	5.00		86.2	70-130			
1,2-Dichloropropane	4.48	0.20	0.50	ug/L	5.00		89.6	70-130			
1,3-Dichloropropane	4.78	0.50	0.50	ug/L	5.00		95.6	70-130			
2,2-Dichloropropane	3.76	0.30	0.50	ug/L	5.00		75.2	70-130			
1,1-Dichloropropene	4.45	0.50	0.50	ug/L	5.00		89.0	70-130			
cis-1,3-Dichloropropene	4.00	0.30	0.50	ug/L	5.00		80.0	70-130			
trans-1,3-Dichloropropene	3.92	0.30	0.50	ug/L	5.00		78.4	70-130			
Ethylbenzene	4.60	0.50	0.50	ug/L	5.00		92.0	70-130			
2-Hexanone	5.25	0.50	5.0	ug/L	5.00		105	70-130			
Hexachlorobutadiene	3.64	0.40	0.50	ug/L	5.00		72.8	70-130			
Isopropylbenzene	4.64	0.50	0.50	ug/L	5.00		92.8	70-130			
p-Isopropyltoluene	4.41	0.50	0.50	ug/L	5.00		88.2	70-130			
Methyl ethyl ketone	10.1	0.60	1.0	ug/L	10.0		101	70-130			
Methyl iodide	4.38	0.40	2.0	ug/L	5.00		87.6	70-130			
Methyl isobutyl ketone	9.47	0.80	1.0	ug/L	10.0		94.7	70-130			
Methylene chloride	5.82	0.40	0.50	ug/L	5.00		116	70-130			
Naphthalene	4.45	0.50	0.50	ug/L	5.00		89.0	70-130			
n-Propylbenzene	4.56	0.50	0.50	ug/L	5.00		91.2	70-130			
Styrene	4.62	0.20	0.50	ug/L	5.00		92.4	70-130			
1,1,1,2-Tetrachloroethane	3.90	0.40	0.50	ug/L	5.00		78.0	70-130			
1,1,2,2-Tetrachloroethane	4.57	0.20	0.50	ug/L	5.00		91.4	70-130			
Tetrachloroethene	4.49	0.50	0.50	ug/L	5.00		89.8	70-130			
Toluene	4.77	0.30	0.50	ug/L	5.00		95.4	70-130			
1,2,3-Trichlorobenzene	4.35	0.40	0.50	ug/L	5.00		87.0	70-130			
1,2,4-Trichlorobenzene	4.15	0.40	0.50	ug/L	5.00		83.0	70-130			
1,1,1-Trichloroethane	4.48	0.40	0.50	ug/L	5.00		89.6	70-130			
1,1,2-Trichloroethane	4.70	0.20	0.50	ug/L	5.00		94.0	70-130			
Trichloroethene	4.53	0.50	0.50	ug/L	5.00		90.6	70-130			
Trichlorofluoromethane	4.40	0.50	0.50	ug/L	5.00		88.0	70-130			
Trichlorotrifluoroethane	4.33	0.40	0.50	ug/L	5.00		86.6	70-130			
1,2,3-Trichloropropane	4.96	0.50	0.50	ug/L	5.00		99.2	70-130			
1,2,4-Trimethylbenzene	4.72	0.50	0.50	ug/L	5.00		94.4	70-130			
1,3,5-Trimethylbenzene	4.57	0.50	0.50	ug/L	5.00		91.4	70-130			
Vinyl chloride	4.46	0.50	0.50	ug/L	5.00		89.2	70-130			

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Clear VOA- HCl Project Number: Navy Silicone Batch Number 157429-1	Reported: 03/11/19 12:52
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Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AB94178 - VOAs in Water GCMS

LCS (AB94178-BS1)

Prepared: 02/26/19 Analyzed: 02/27/19

m,p-Xylene	9.24	0.50	0.50	ug/L	10.0		92.4	70-130			
o-Xylene	4.56	0.50	0.50	ug/L	5.00		91.2	70-130			
Xylenes (total)	13.8	0.50	0.50	ug/L	15.0		92.0	70-130			
Methyl tert-butyl ether	4.39	0.50	3.0	ug/L	5.00		87.8	70-130			
Ethyl tert-butyl ether	4.81	0.40	0.50	ug/L	5.00		96.2	70-130			
Tert-amyl methyl ether	3.87	0.30	0.50	ug/L	5.00		77.4	70-130			
Surrogate: Bromofluorobenzene	25.7			ug/L	25.0		103	70-130			
Surrogate: Dibromofluoromethane	23.2			ug/L	25.0		93.0	70-130			
Surrogate: Toluene-d8	26.1			ug/L	25.0		104	70-130			

LCS Dup (AB94178-BSD1)

Prepared: 02/26/19 Analyzed: 02/27/19

Acetone	15.1	2.0	5.0	ug/L	20.0		75.3	70-130	2.69	30	
Acrylonitrile	4.42	0.40	5.0	ug/L	5.00		88.4	70-130	2.68	30	J
Benzene	4.90	0.30	0.30	ug/L	5.00		98.0	70-130	7.41	30	
Bromobenzene	4.86	0.20	0.50	ug/L	5.00		97.2	70-130	4.63	30	
Bromochloromethane	4.61	0.40	0.50	ug/L	5.00		92.2	70-130	4.66	30	
Bromodichloromethane	5.74	0.20	0.50	ug/L	5.00		115	70-130	8.16	30	
Bromoform	4.77	0.30	0.50	ug/L	5.00		95.4	70-130	1.48	30	
Bromomethane	4.81	0.40	0.50	ug/L	5.00		96.2	70-130	8.68	30	
n-Butylbenzene	4.51	0.50	0.50	ug/L	5.00		90.2	70-130	6.17	30	
sec-Butylbenzene	4.81	0.50	0.50	ug/L	5.00		96.2	70-130	7.55	30	
tert-Butylbenzene	4.89	0.50	0.50	ug/L	5.00		97.8	70-130	7.86	30	
Carbon disulfide	4.28	0.40	0.50	ug/L	5.00		85.6	70-130	13.2	30	
Carbon tetrachloride	4.80	0.30	0.50	ug/L	5.00		96.0	70-130	13.1	30	
Chlorobenzene	4.93	0.20	0.50	ug/L	5.00		98.6	70-130	4.56	30	
Chloroethane	4.72	0.30	0.50	ug/L	5.00		94.4	70-130	7.70	30	
Chloroform	5.11	0.30	0.50	ug/L	5.00		102	70-130	7.51	30	
Chloromethane	5.82	0.40	0.50	ug/L	5.00		116	70-130	8.79	30	
2-Chlorotoluene	4.97	0.20	0.50	ug/L	5.00		99.4	70-130	7.30	30	
4-Chlorotoluene	4.90	0.20	0.50	ug/L	5.00		98.0	70-130	6.10	30	
Dibromochloromethane	5.25	0.30	0.50	ug/L	5.00		105	70-130	5.68	30	
1,2-Dibromo-3-chloropropane	3.51	0.50	0.50	ug/L	5.00		70.2	70-130	1.13	25	
1,2-Dibromoethane (EDB)	4.73	0.20	0.50	ug/L	5.00		94.6	70-130	4.54	25	
Dibromomethane	4.31	0.20	0.50	ug/L	5.00		86.2	70-130	3.06	30	
1,2-Dichlorobenzene	4.67	0.20	0.50	ug/L	5.00		93.4	70-130	4.82	30	
1,3-Dichlorobenzene	4.78	0.20	0.50	ug/L	5.00		95.6	70-130	5.15	30	
trans-1,4-Dichloro-2-butene	4.12	0.90	5.0	ug/L	5.00		82.4	70-130	5.66	25	J

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Sample Traps, LLC
 262 Rickenbacker Circle
 Livermore CA, 94551

Project Manager: Quality Control Manager
 Project: QC- 40ml Clear VOA- HCl
 Project Number: Navy Silicone Batch Number 157429-1

Reported:
 03/11/19 12:52

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AB94178 - VOAs in Water GCMS

LCS Dup (AB94178-BSD1)

Prepared: 02/26/19 Analyzed: 02/27/19

1,4-Dichlorobenzene	4.64	0.20	0.50	ug/L	5.00		92.8	70-130	4.18	30	
Dichlorodifluoromethane	5.61	0.50	0.50	ug/L	5.00		112	70-130	8.94	30	
1,1-Dichloroethane	5.14	0.20	0.50	ug/L	5.00		103	70-130	9.16	30	
1,2-Dichloroethane	4.54	0.50	0.50	ug/L	5.00		90.8	70-130	1.33	30	
1,1-Dichloroethene	4.33	0.30	0.30	ug/L	5.00		86.6	70-130	6.44	30	
cis-1,2-Dichloroethene	4.81	0.40	0.50	ug/L	5.00		96.2	70-130	6.44	30	
trans-1,2-Dichloroethene	4.78	0.40	0.50	ug/L	5.00		95.6	70-130	10.3	30	
1,2-Dichloropropane	4.78	0.20	0.50	ug/L	5.00		95.6	70-130	6.48	30	
1,3-Dichloropropane	4.82	0.50	0.50	ug/L	5.00		96.4	70-130	0.833	30	
2,2-Dichloropropane	3.64	0.30	0.50	ug/L	5.00		72.8	70-130	3.24	30	
1,1-Dichloropropene	4.94	0.50	0.50	ug/L	5.00		98.8	70-130	10.4	30	
cis-1,3-Dichloropropene	4.20	0.30	0.50	ug/L	5.00		84.0	70-130	4.88	30	
trans-1,3-Dichloropropene	4.16	0.30	0.50	ug/L	5.00		83.2	70-130	5.94	30	
2-Hexanone	5.21	0.50	5.0	ug/L	5.00		104	70-130	0.765	25	
Ethylbenzene	4.94	0.50	0.50	ug/L	5.00		98.8	70-130	7.13	30	
Hexachlorobutadiene	4.03	0.40	0.50	ug/L	5.00		80.6	70-130	10.2	30	
Isopropylbenzene	4.96	0.50	0.50	ug/L	5.00		99.2	70-130	6.67	30	
p-Isopropyltoluene	4.73	0.50	0.50	ug/L	5.00		94.6	70-130	7.00	30	
Methyl ethyl ketone	9.47	0.60	1.0	ug/L	10.0		94.7	70-130	6.14	30	
Methyl iodide	4.85	0.40	2.0	ug/L	5.00		97.0	70-130	10.2	25	
Methyl isobutyl ketone	9.93	0.80	1.0	ug/L	10.0		99.3	70-130	4.74	30	
Methylene chloride	5.85	0.40	0.50	ug/L	5.00		117	70-130	0.514	30	
Naphthalene	4.64	0.50	0.50	ug/L	5.00		92.8	70-130	4.18	30	
n-Propylbenzene	4.86	0.50	0.50	ug/L	5.00		97.2	70-130	6.37	30	
Styrene	4.88	0.20	0.50	ug/L	5.00		97.6	70-130	5.47	30	
1,1,1,2-Tetrachloroethane	4.18	0.40	0.50	ug/L	5.00		83.6	70-130	6.93	30	
1,1,2,2-Tetrachloroethane	4.68	0.20	0.50	ug/L	5.00		93.6	70-130	2.38	30	
Tetrachloroethene	4.82	0.50	0.50	ug/L	5.00		96.4	70-130	7.09	30	
Toluene	5.02	0.30	0.50	ug/L	5.00		100	70-130	5.11	30	
1,2,3-Trichlorobenzene	4.60	0.40	0.50	ug/L	5.00		92.0	70-130	5.59	30	
1,2,4-Trichlorobenzene	4.32	0.40	0.50	ug/L	5.00		86.4	70-130	4.01	30	
1,1,1-Trichloroethane	4.86	0.40	0.50	ug/L	5.00		97.2	70-130	8.14	30	
1,1,2-Trichloroethane	4.80	0.20	0.50	ug/L	5.00		96.0	70-130	2.11	30	
Trichloroethene	5.02	0.50	0.50	ug/L	5.00		100	70-130	10.3	30	
Trichlorofluoromethane	5.00	0.50	0.50	ug/L	5.00		100	70-130	12.8	30	
Trichlorotrifluoroethane	4.76	0.40	0.50	ug/L	5.00		95.2	70-130	9.46	30	

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Clear VOA- HCl Project Number: Navy Silicone Batch Number 157429-1	Reported: 03/11/19 12:52
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Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AB94178 - VOAs in Water GCMS

LCS Dup (AB94178-BSD1)

Prepared: 02/26/19 Analyzed: 02/27/19

1,2,3-Trichloropropane	4.72	0.50	0.50	ug/L	5.00		94.4	70-130	4.96	25	
1,2,4-Trimethylbenzene	5.06	0.50	0.50	ug/L	5.00		101	70-130	6.95	30	
1,3,5-Trimethylbenzene	4.91	0.50	0.50	ug/L	5.00		98.2	70-130	7.17	30	
Vinyl chloride	5.14	0.50	0.50	ug/L	5.00		103	70-130	14.2	30	
m,p-Xylene	9.91	0.50	0.50	ug/L	10.0		99.1	70-130	7.00	30	
o-Xylene	4.90	0.50	0.50	ug/L	5.00		98.0	70-130	7.19	30	
Xylenes (total)	14.8	0.50	0.50	ug/L	15.0		98.7	70-130	7.06	30	
Methyl tert-butyl ether	4.33	0.50	3.0	ug/L	5.00		86.6	70-130	1.38	30	
Ethyl tert-butyl ether	4.99	0.40	0.50	ug/L	5.00		99.8	70-130	3.67	30	
Tert-amyl methyl ether	4.02	0.30	0.50	ug/L	5.00		80.4	70-130	3.80	30	
Surrogate: Bromofluorobenzene	26.7			ug/L	25.0		107	70-130			
Surrogate: Dibromofluoromethane	24.6			ug/L	25.0		98.6	70-130			
Surrogate: Toluene-d8	27.0			ug/L	25.0		108	70-130			

Matrix Spike (AB94178-MS1)

Source: 19B2611-03

Prepared: 02/26/19 Analyzed: 02/27/19

Acetone	24.2	2.0	5.0	ug/L	20.0	ND	121	70-130			
Acrylonitrile	5.81	0.40	5.0	ug/L	5.00	ND	116	70-130			
Benzene	5.39	0.30	0.30	ug/L	5.00	ND	108	70-130			
Bromobenzene	5.05	0.20	0.50	ug/L	5.00	ND	101	70-130			
Bromochloromethane	4.95	0.40	0.50	ug/L	5.00	ND	99.0	70-130			
Bromodichloromethane	5.48	0.20	0.50	ug/L	5.00	ND	110	70-130			
Bromoform	4.79	0.30	0.50	ug/L	5.00	ND	95.8	70-130			
Bromomethane	6.03	0.40	0.50	ug/L	5.00	ND	121	70-130			
n-Butylbenzene	5.32	0.50	0.50	ug/L	5.00	ND	106	70-130			
sec-Butylbenzene	5.52	0.50	0.50	ug/L	5.00	ND	110	70-130			
tert-Butylbenzene	5.43	0.50	0.50	ug/L	5.00	ND	109	70-130			
Carbon disulfide	4.57	0.40	0.50	ug/L	5.00	ND	91.4	70-130			
Carbon tetrachloride	4.80	0.30	0.50	ug/L	5.00	ND	96.0	70-130			
Chlorobenzene	5.33	0.20	0.50	ug/L	5.00	ND	107	70-130			
Chloroethane	6.14	0.30	0.50	ug/L	5.00	ND	123	70-130			
Chloroform	5.50	0.30	0.50	ug/L	5.00	ND	110	70-130			
Chloromethane	5.58	0.40	0.50	ug/L	5.00	ND	112	70-130			
2-Chlorotoluene	5.37	0.20	0.50	ug/L	5.00	ND	107	70-130			
4-Chlorotoluene	5.23	0.20	0.50	ug/L	5.00	ND	105	70-130			
Dibromochloromethane	4.70	0.30	0.50	ug/L	5.00	ND	94.0	70-130			
1,2-Dibromo-3-chloropropane	3.26	0.50	0.50	ug/L	5.00	ND	65.2	70-130			QM-05
1,2-Dibromoethane (EDB)	4.71	0.20	0.50	ug/L	5.00	ND	94.2	70-130			

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Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AB94178 - VOAs in Water GCMS

Matrix Spike (AB94178-MS1)	Source: 19B2611-03			Prepared: 02/26/19 Analyzed: 02/27/19							
Dibromomethane	4.55	0.20	0.50	ug/L	5.00	ND	91.0	70-130			
1,2-Dichlorobenzene	4.89	0.20	0.50	ug/L	5.00	ND	97.8	70-130			
1,3-Dichlorobenzene	5.11	0.20	0.50	ug/L	5.00	ND	102	70-130			
1,4-Dichlorobenzene	4.86	0.20	0.50	ug/L	5.00	ND	97.2	70-130			
trans-1,4-Dichloro-2-butene	3.59	0.90	5.0	ug/L	5.00	ND	71.8	70-130			J
Dichlorodifluoromethane	7.38	0.50	0.50	ug/L	5.00	ND	148	70-130			QM-05
1,1-Dichloroethane	5.69	0.20	0.50	ug/L	5.00	ND	114	70-130			
1,2-Dichloroethane	5.03	0.50	0.50	ug/L	5.00	ND	101	70-130			
1,1-Dichloroethene	5.26	0.30	0.30	ug/L	5.00	ND	105	70-130			
cis-1,2-Dichloroethene	5.29	0.40	0.50	ug/L	5.00	ND	106	70-130			
trans-1,2-Dichloroethene	5.27	0.40	0.50	ug/L	5.00	ND	105	70-130			
1,2-Dichloropropane	5.09	0.20	0.50	ug/L	5.00	ND	102	70-130			
1,3-Dichloropropane	5.12	0.50	0.50	ug/L	5.00	ND	102	70-130			
2,2-Dichloropropane	5.26	0.30	0.50	ug/L	5.00	ND	105	70-130			
1,1-Dichloropropene	5.53	0.50	0.50	ug/L	5.00	ND	111	70-130			
cis-1,3-Dichloropropene	4.13	0.30	0.50	ug/L	5.00	ND	82.6	70-130			
trans-1,3-Dichloropropene	3.92	0.30	0.50	ug/L	5.00	ND	78.4	70-130			
2-Hexanone	5.58	0.50	5.0	ug/L	5.00	ND	112	70-130			
Ethylbenzene	5.36	0.50	0.50	ug/L	5.00	ND	107	70-130			
Hexachlorobutadiene	4.59	0.40	0.50	ug/L	5.00	ND	91.8	70-130			
Isopropylbenzene	5.57	0.50	0.50	ug/L	5.00	ND	111	70-130			
p-Isopropyltoluene	5.44	0.50	0.50	ug/L	5.00	ND	109	70-130			
Methyl ethyl ketone	12.5	0.60	1.0	ug/L	10.0	1.30	112	70-130			
Methyl iodide	5.27	0.40	2.0	ug/L	5.00	ND	105	70-130			
Methyl isobutyl ketone	10.6	0.80	1.0	ug/L	10.0	ND	106	70-130			
Methylene chloride	4.96	0.40	0.50	ug/L	5.00	ND	99.2	70-130			
Naphthalene	4.88	0.50	0.50	ug/L	5.00	ND	97.6	70-130			
n-Propylbenzene	5.41	0.50	0.50	ug/L	5.00	ND	108	70-130			
Styrene	5.19	0.20	0.50	ug/L	5.00	ND	104	70-130			
1,1,1,2-Tetrachloroethane	4.05	0.40	0.50	ug/L	5.00	ND	81.0	70-130			
1,1,2,2-Tetrachloroethane	4.72	0.20	0.50	ug/L	5.00	ND	94.4	70-130			
Tetrachloroethene	5.60	0.50	0.50	ug/L	5.00	ND	112	70-130			
Toluene	5.41	0.30	0.50	ug/L	5.00	ND	108	70-130			
1,2,3-Trichlorobenzene	4.95	0.40	0.50	ug/L	5.00	ND	99.0	70-130			
1,2,4-Trichlorobenzene	4.72	0.40	0.50	ug/L	5.00	ND	94.4	70-130			
1,1,1-Trichloroethane	5.37	0.40	0.50	ug/L	5.00	ND	107	70-130			

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Clear VOA- HCl Project Number: Navy Silicone Batch Number 157429-1	Reported: 03/11/19 12:52
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Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AB94178 - VOAs in Water GCMS

Matrix Spike (AB94178-MS1)		Source: 19B2611-03			Prepared: 02/26/19		Analyzed: 02/27/19	
1,1,2-Trichloroethane	4.98	0.20	0.50	ug/L	5.00	ND	99.6	70-130
Trichloroethene	5.44	0.50	0.50	ug/L	5.00	ND	109	70-130
Trichlorofluoromethane	6.55	0.50	0.50	ug/L	5.00	ND	131	70-130
Trichlorotrifluoroethane	6.79	0.40	0.50	ug/L	5.00	0.600	124	70-130
1,2,3-Trichloropropane	4.94	0.50	0.50	ug/L	5.00	ND	98.8	70-130
1,2,4-Trimethylbenzene	5.53	0.50	0.50	ug/L	5.00	ND	111	70-130
1,3,5-Trimethylbenzene	5.44	0.50	0.50	ug/L	5.00	ND	109	70-130
Vinyl chloride	5.72	0.50	0.50	ug/L	5.00	ND	114	70-130
m,p-Xylene	10.7	0.50	0.50	ug/L	10.0	ND	107	70-130
o-Xylene	5.25	0.50	0.50	ug/L	5.00	ND	105	70-130
Xylenes (total)	16.0	0.50	0.50	ug/L	15.0	ND	107	70-130
Methyl tert-butyl ether	4.50	0.50	3.0	ug/L	5.00	ND	90.0	70-130
Ethyl tert-butyl ether	5.61	0.40	0.50	ug/L	5.00	ND	112	70-130
Tert-amyl methyl ether	4.09	0.30	0.50	ug/L	5.00	ND	81.8	70-130
Surrogate: Bromofluorobenzene	26.9			ug/L	25.0		108	70-130
Surrogate: Dibromofluoromethane	24.7			ug/L	25.0		98.9	70-130
Surrogate: Toluene-d8	27.1			ug/L	25.0		108	70-130

Matrix Spike (AB94178-MS2)		Source: 19B2611-06			Prepared: 02/26/19		Analyzed: 02/27/19	
Acetone	15.6	2.0	5.0	ug/L	20.0	ND	78.2	70-130
Acrylonitrile	4.78	0.40	5.0	ug/L	5.00	ND	95.6	70-130
Benzene	5.42	0.30	0.30	ug/L	5.00	ND	108	70-130
Bromobenzene	5.16	0.20	0.50	ug/L	5.00	ND	103	70-130
Bromochloromethane	4.93	0.40	0.50	ug/L	5.00	ND	98.6	70-130
Bromodichloromethane	5.85	0.20	0.50	ug/L	5.00	ND	117	70-130
Bromoform	4.96	0.30	0.50	ug/L	5.00	ND	99.2	70-130
Bromomethane	5.65	0.40	0.50	ug/L	5.00	ND	113	70-130
n-Butylbenzene	5.27	0.50	0.50	ug/L	5.00	ND	105	70-130
sec-Butylbenzene	5.53	0.50	0.50	ug/L	5.00	ND	111	70-130
tert-Butylbenzene	5.54	0.50	0.50	ug/L	5.00	ND	111	70-130
Carbon disulfide	4.88	0.40	0.50	ug/L	5.00	ND	97.6	70-130
Carbon tetrachloride	5.22	0.30	0.50	ug/L	5.00	ND	104	70-130
Chlorobenzene	5.34	0.20	0.50	ug/L	5.00	ND	107	70-130
Chloroethane	5.73	0.30	0.50	ug/L	5.00	ND	115	70-130
Chloroform	5.50	0.30	0.50	ug/L	5.00	ND	110	70-130
Chloromethane	7.19	0.40	0.50	ug/L	5.00	ND	144	70-130
2-Chlorotoluene	5.44	0.20	0.50	ug/L	5.00	ND	109	70-130

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Clear VOA- HCl Project Number: Navy Silicone Batch Number 157429-1	Reported: 03/11/19 12:52
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Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AB94178 - VOAs in Water GCMS

Matrix Spike (AB94178-MS2)	Source: 19B2611-06			Prepared: 02/26/19 Analyzed: 02/27/19							
4-Chlorotoluene	5.39	0.20	0.50	ug/L	5.00	ND	108	70-130			
Dibromochloromethane	5.10	0.30	0.50	ug/L	5.00	ND	102	70-130			
1,2-Dibromo-3-chloropropane	3.36	0.50	0.50	ug/L	5.00	ND	67.2	70-130			QM-05
1,2-Dibromoethane (EDB)	4.74	0.20	0.50	ug/L	5.00	ND	94.8	70-130			
Dibromomethane	4.53	0.20	0.50	ug/L	5.00	ND	90.6	70-130			
1,2-Dichlorobenzene	4.97	0.20	0.50	ug/L	5.00	ND	99.4	70-130			
1,3-Dichlorobenzene	5.12	0.20	0.50	ug/L	5.00	ND	102	70-130			
1,4-Dichlorobenzene	5.11	0.20	0.50	ug/L	5.00	ND	102	70-130			
trans-1,4-Dichloro-2-butene	3.93	0.90	5.0	ug/L	5.00	ND	78.6	70-130			J
Dichlorodifluoromethane	7.17	0.50	0.50	ug/L	5.00	ND	143	70-130			QM-05
1,1-Dichloroethane	5.61	0.20	0.50	ug/L	5.00	ND	112	70-130			
1,2-Dichloroethane	4.87	0.50	0.50	ug/L	5.00	ND	97.4	70-130			
1,1-Dichloroethene	5.19	0.30	0.30	ug/L	5.00	ND	104	70-130			
cis-1,2-Dichloroethene	5.26	0.40	0.50	ug/L	5.00	ND	105	70-130			
trans-1,2-Dichloroethene	5.36	0.40	0.50	ug/L	5.00	ND	107	70-130			
1,2-Dichloropropane	5.28	0.20	0.50	ug/L	5.00	ND	106	70-130			
1,3-Dichloropropane	5.14	0.50	0.50	ug/L	5.00	ND	103	70-130			
2,2-Dichloropropane	5.35	0.30	0.50	ug/L	5.00	ND	107	70-130			
1,1-Dichloropropene	5.76	0.50	0.50	ug/L	5.00	ND	115	70-130			
cis-1,3-Dichloropropene	4.34	0.30	0.50	ug/L	5.00	ND	86.8	70-130			
trans-1,3-Dichloropropene	4.24	0.30	0.50	ug/L	5.00	ND	84.8	70-130			
2-Hexanone	5.52	0.50	5.0	ug/L	5.00	ND	110	70-130			
Ethylbenzene	5.51	0.50	0.50	ug/L	5.00	ND	110	70-130			
Hexachlorobutadiene	4.55	0.40	0.50	ug/L	5.00	ND	91.0	70-130			
Isopropylbenzene	5.59	0.50	0.50	ug/L	5.00	ND	112	70-130			
p-Isopropyltoluene	5.44	0.50	0.50	ug/L	5.00	ND	109	70-130			
Methyl ethyl ketone	12.0	0.60	1.0	ug/L	10.0	1.47	106	70-130			
Methyl iodide	5.29	0.40	2.0	ug/L	5.00	ND	106	70-130			
Methyl isobutyl ketone	9.87	0.80	1.0	ug/L	10.0	ND	98.7	70-130			
Methylene chloride	4.73	0.40	0.50	ug/L	5.00	ND	94.6	70-130			
Naphthalene	4.75	0.50	0.50	ug/L	5.00	ND	95.0	70-130			
n-Propylbenzene	5.53	0.50	0.50	ug/L	5.00	ND	111	70-130			
Styrene	5.20	0.20	0.50	ug/L	5.00	ND	104	70-130			
1,1,1,2-Tetrachloroethane	4.15	0.40	0.50	ug/L	5.00	ND	83.0	70-130			
1,1,2,2-Tetrachloroethane	4.86	0.20	0.50	ug/L	5.00	ND	97.2	70-130			
Tetrachloroethene	5.63	0.50	0.50	ug/L	5.00	ND	113	70-130			

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Clear VOA- HCl Project Number: Navy Silicone Batch Number 157429-1	Reported: 03/11/19 12:52
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Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AB94178 - VOAs in Water GCMS

Matrix Spike (AB94178-MS2)	Source: 19B2611-06			Prepared: 02/26/19 Analyzed: 02/27/19						
Toluene	5.53	0.30	0.50	ug/L	5.00	ND	111	70-130		
1,2,3-Trichlorobenzene	4.86	0.40	0.50	ug/L	5.00	ND	97.2	70-130		
1,2,4-Trichlorobenzene	4.55	0.40	0.50	ug/L	5.00	ND	91.0	70-130		
1,1,1-Trichloroethane	5.67	0.40	0.50	ug/L	5.00	ND	113	70-130		
1,1,2-Trichloroethane	5.05	0.20	0.50	ug/L	5.00	ND	101	70-130		
Trichloroethene	5.44	0.50	0.50	ug/L	5.00	ND	109	70-130		
Trichlorofluoromethane	6.28	0.50	0.50	ug/L	5.00	ND	126	70-130		
Trichlorotrifluoroethane	6.38	0.40	0.50	ug/L	5.00	ND	128	70-130		
1,2,3-Trichloropropane	5.13	0.50	0.50	ug/L	5.00	ND	103	70-130		
1,2,4-Trimethylbenzene	5.49	0.50	0.50	ug/L	5.00	ND	110	70-130		
1,3,5-Trimethylbenzene	5.50	0.50	0.50	ug/L	5.00	ND	110	70-130		
Vinyl chloride	6.07	0.50	0.50	ug/L	5.00	ND	121	70-130		
m,p-Xylene	10.9	0.50	0.50	ug/L	10.0	ND	109	70-130		
o-Xylene	5.38	0.50	0.50	ug/L	5.00	ND	108	70-130		
Xylenes (total)	16.2	0.50	0.50	ug/L	15.0	ND	108	70-130		
Methyl tert-butyl ether	4.33	0.50	3.0	ug/L	5.00	ND	86.6	70-130		
Ethyl tert-butyl ether	5.46	0.40	0.50	ug/L	5.00	ND	109	70-130		
Tert-amyl methyl ether	4.20	0.30	0.50	ug/L	5.00	ND	84.0	70-130		
Surrogate: Bromofluorobenzene	25.9			ug/L	25.0		104	70-130		
Surrogate: Dibromofluoromethane	23.3			ug/L	25.0		93.0	70-130		
Surrogate: Toluene-d8	26.0			ug/L	25.0		104	70-130		

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Clear VOA- HCl Project Number: Navy Silicone Batch Number 157429-1	Reported: 03/11/19 12:52
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Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AB93757 - VOAs in Water GCMS

Blank (AB93757-BLK1)

Prepared: 02/19/19 Analyzed: 02/20/19

Acetone	ND	3.0	5.0	ug/L							U
Acetonitrile	ND	50	100	ug/L							U
Allyl chloride	ND	0.40	10	ug/L							U
Acrylonitrile	ND	0.40	5.0	ug/L							U
Benzene	ND	0.30	0.30	ug/L							U
Bromobenzene	ND	0.40	0.50	ug/L							U
Bromochloromethane	ND	0.40	0.50	ug/L							U
Bromodichloromethane	ND	0.40	0.50	ug/L							U
Bromoform	ND	0.30	0.50	ug/L							U
Bromomethane	ND	0.40	0.50	ug/L							U
n-Butylbenzene	ND	0.40	0.50	ug/L							U
sec-Butylbenzene	ND	0.40	0.50	ug/L							U
tert-Butylbenzene	ND	0.30	0.50	ug/L							U
Carbon disulfide	ND	0.40	5.0	ug/L							U
Carbon tetrachloride	ND	0.40	0.50	ug/L							U
Chlorobenzene	ND	0.30	0.50	ug/L							U
Chloroethane	ND	0.40	0.50	ug/L							U
Chloroform	ND	0.40	0.50	ug/L							U
Chloromethane	ND	0.40	0.50	ug/L							U
Chloroprene	ND	0.40	1.0	ug/L							U
2-Chlorotoluene	ND	0.40	0.50	ug/L							U
4-Chlorotoluene	ND	0.30	0.50	ug/L							U
Dibromochloromethane	ND	0.40	0.50	ug/L							U
1,2-Dibromo-3-chloropropane	ND	0.60	2.0	ug/L							U
1,2-Dibromoethane (EDB)	ND	0.40	0.50	ug/L							U
Dibromomethane	ND	0.40	0.50	ug/L							U
1,2-Dichlorobenzene	ND	0.40	0.50	ug/L							U
1,3-Dichlorobenzene	ND	0.40	0.50	ug/L							U
1,4-Dichlorobenzene	ND	0.10	0.50	ug/L							U
trans-1,4-Dichloro-2-butene	ND	0.50	5.0	ug/L							U
Dichlorodifluoromethane	ND	0.40	0.50	ug/L							U
1,1-Dichloroethane	ND	0.10	0.50	ug/L							U
1,2-Dichloroethane	ND	0.40	0.50	ug/L							U
1,1-Dichloroethene	ND	0.30	0.50	ug/L							U
cis-1,2-Dichloroethene	ND	0.40	0.50	ug/L							U
trans-1,2-Dichloroethene	ND	0.40	0.50	ug/L							U

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AB93757 - VOAs in Water GCMS

Blank (AB93757-BLK1)

Prepared: 02/19/19 Analyzed: 02/20/19

1,2-Dichloropropane	ND	0.40	0.50	ug/L							U
1,3-Dichloropropane	ND	0.40	0.50	ug/L							U
2,2-Dichloropropane	ND	0.20	0.50	ug/L							U
1,1-Dichloropropene	ND	0.40	0.50	ug/L							U
cis-1,3-Dichloropropene	ND	0.40	0.50	ug/L							U
trans-1,3-Dichloropropene	ND	0.40	0.50	ug/L							U
Diethyl ether	ND	0.20	1.0	ug/L							U
Di-isopropyl ether	ND	0.40	0.50	ug/L							U
Ethanol	ND	50	50	ug/L							U
Ethyl methacrylate	ND	0.70	10	ug/L							U
Ethylbenzene	ND	0.40	0.50	ug/L							U
Hexachloroethane	ND	0.40	1.0	ug/L							U
Hexachlorobutadiene	ND	0.50	0.50	ug/L							U
Ethyl tert-butyl ether	ND	0.40	0.50	ug/L							U
2-Hexanone	ND	0.50	5.0	ug/L							U
Isopropylbenzene	ND	0.40	0.50	ug/L							U
Isobutanol	ND	40	100	ug/L							U
p-Isopropyltoluene	ND	0.40	0.50	ug/L							U
Methylene chloride	ND	0.50	0.50	ug/L							U
Methacrylonitrile	ND	0.40	1.0	ug/L							U
Methyl ethyl ketone	ND	0.70	1.0	ug/L							U
Methyl iodide	ND	0.40	2.0	ug/L							U
Methyl methacrylate	ND	0.40	1.0	ug/L							U
Methyl isobutyl ketone	ND	0.60	1.0	ug/L							U
Naphthalene	ND	0.50	0.50	ug/L							U
Propionitrile	ND	20	50	ug/L							U
Methyl tert-butyl ether	ND	0.50	0.50	ug/L							U
n-Propylbenzene	ND	0.40	0.50	ug/L							U
Styrene	ND	0.40	0.50	ug/L							U
Tert-amyl methyl ether	ND	0.40	0.50	ug/L							U
Tert-butyl alcohol	ND	6.0	10	ug/L							U
1,1,1,2-Tetrachloroethane	ND	0.40	0.50	ug/L							U
1,1,2,2-Tetrachloroethane	ND	0.30	0.50	ug/L							U
Tetrachloroethene	ND	0.40	0.50	ug/L							U
Tetrahydrofuran	ND	0.40	5.0	ug/L							U
Toluene	ND	0.30	0.30	ug/L							U

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AB93757 - VOAs in Water GCMS

Blank (AB93757-BLK1)

Prepared: 02/19/19 Analyzed: 02/20/19

1,2,3-Trichlorobenzene	ND	0.50	0.50	ug/L							U
1,2,4-Trichlorobenzene	ND	0.20	0.50	ug/L							U
1,1,1-Trichloroethane	ND	0.40	0.50	ug/L							U
1,1,2-Trichloroethane	ND	0.40	0.50	ug/L							U
Trichloroethene	ND	0.40	0.50	ug/L							U
Trichlorofluoromethane	ND	0.20	0.50	ug/L							U
1,2,3-Trichloropropane	ND	0.40	0.50	ug/L							U
Trichlorotrifluoroethane	ND	0.50	0.50	ug/L							U
1,2,4-Trimethylbenzene	ND	0.40	0.50	ug/L							U
1,3,5-Trimethylbenzene	ND	0.30	0.50	ug/L							U
Vinyl acetate	ND	0.80	1.0	ug/L							U
Vinyl chloride	ND	0.40	0.50	ug/L							U
m,p-Xylene	ND	0.50	0.50	ug/L							U
o-Xylene	ND	0.40	0.50	ug/L							U
Xylenes (total)	ND	0.50	0.50	ug/L							U
Surrogate: Bromofluorobenzene	28.8			ug/L	25.0		115	70-130			
Surrogate: Dibromofluoromethane	22.4			ug/L	25.0		89.8	70-130			
Surrogate: Toluene-d8	27.8			ug/L	25.0		111	70-130			

LCS (AB93757-BS1)

Prepared: 02/19/19 Analyzed: 02/20/19

Acetone	72.0	3.0	5.0	ug/L	80.0		89.9	48-124			
Acetonitrile	2080	50	100	ug/L	2000		104	70-130			
Acrylonitrile	19.6	0.40	5.0	ug/L	20.0		97.8	70-130			
Allyl chloride	20.8	0.40	10	ug/L	20.0		104	70-130			
Benzene	18.7	0.30	0.30	ug/L	20.0		93.6	82-122			
Bromobenzene	21.7	0.40	0.50	ug/L	20.0		109	83-122			
Bromochloromethane	19.7	0.40	0.50	ug/L	20.0		98.3	83-124			
Bromodichloromethane	16.8	0.40	0.50	ug/L	20.0		83.8	86-135			QL-03
Bromoform	17.5	0.30	0.50	ug/L	20.0		87.4	76-144			
Bromomethane	16.2	0.40	0.50	ug/L	20.0		80.9	69-145			
n-Butylbenzene	19.1	0.40	0.50	ug/L	20.0		95.4	79-132			
sec-Butylbenzene	21.2	0.40	0.50	ug/L	20.0		106	86-132			
tert-Butylbenzene	22.1	0.30	0.50	ug/L	20.0		110	82-126			
Carbon disulfide	20.1	0.40	5.0	ug/L	20.0		101	70-130			
Carbon tetrachloride	16.0	0.40	0.50	ug/L	20.0		79.9	77-134			
Chlorobenzene	21.0	0.30	0.50	ug/L	20.0		105	84-119			
Chloroethane	20.9	0.40	0.50	ug/L	20.0		104	68-133			

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Clear VOA- HCl Project Number: Navy Silicone Batch Number 157429-1	Reported: 03/11/19 12:52
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Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AB93757 - VOAs in Water GCMS

LCS (AB93757-BS1)		Prepared: 02/19/19 Analyzed: 02/20/19									
Chloroform	19.2	0.40	0.50	ug/L	20.0		96.0	81-122			
Chloromethane	21.0	0.40	0.50	ug/L	20.0		105	63-129			
Chloroprene	20.6	0.40	1.0	ug/L	20.0		103	70-130			
2-Chlorotoluene	21.8	0.40	0.50	ug/L	20.0		109	79-132			
4-Chlorotoluene	21.9	0.30	0.50	ug/L	20.0		109	80-122			
Dibromochloromethane	18.6	0.40	0.50	ug/L	20.0		92.8	83-135			
1,2-Dibromo-3-chloropropane	19.0	0.60	2.0	ug/L	20.0		95.0	73-128			
1,2-Dibromoethane (EDB)	21.2	0.40	0.50	ug/L	20.0		106	80-120			
Dibromomethane	19.1	0.40	0.50	ug/L	20.0		95.5	82-124			
1,2-Dichlorobenzene	21.7	0.40	0.50	ug/L	20.0		109	84-121			
1,3-Dichlorobenzene	21.3	0.40	0.50	ug/L	20.0		106	80-120			
1,4-Dichlorobenzene	20.9	0.10	0.50	ug/L	20.0		104	84-120			
trans-1,4-Dichloro-2-butene	20.0	0.50	5.0	ug/L	20.0		100	70-130			
Dichlorodifluoromethane	22.0	0.40	0.50	ug/L	20.0		110	52-142			
1,1-Dichloroethane	19.5	0.10	0.50	ug/L	20.0		97.7	81-126			
1,2-Dichloroethane	17.5	0.40	0.50	ug/L	20.0		87.4	77-117			
1,1-Dichloroethene	17.8	0.30	0.50	ug/L	20.0		89.0	71-151			
cis-1,2-Dichloroethene	19.0	0.40	0.50	ug/L	20.0		95.0	84-131			
trans-1,2-Dichloroethene	18.6	0.40	0.50	ug/L	20.0		93.1	79-128			
1,2-Dichloropropane	19.2	0.40	0.50	ug/L	20.0		96.2	82-125			
1,3-Dichloropropane	21.3	0.40	0.50	ug/L	20.0		106	83-120			
2,2-Dichloropropane	14.4	0.20	0.50	ug/L	20.0		71.8	80-125			QL-03
1,1-Dichloropropene	19.8	0.40	0.50	ug/L	20.0		99.2	85-130			
cis-1,3-Dichloropropene	17.2	0.40	0.50	ug/L	20.0		85.8	83-128			
trans-1,3-Dichloropropene	18.7	0.40	0.50	ug/L	20.0		93.4	67-129			
Diethyl ether	18.3	0.20	1.0	ug/L	20.0		91.4	70-130			
Di-isopropyl ether	20.3	0.40	0.50	ug/L	20.0		102	83-132			
Ethylbenzene	21.6	0.40	0.50	ug/L	20.0		108	84-124			
Ethyl methacrylate	21.3	0.70	10	ug/L	20.0		106	70-130			
Ethanol	1010	50	50	ug/L	980		103	50-150			
Hexachloroethane	17.7	0.40	1.0	ug/L	20.0		88.4	70-130			
Ethyl tert-butyl ether	20.2	0.40	0.50	ug/L	20.0		101	74-127			
Hexachlorobutadiene	20.2	0.50	0.50	ug/L	20.0		101	75-135			
2-Hexanone	22.1	0.50	5.0	ug/L	20.0		111	70-130			
Isobutanol	1860	40	100	ug/L	2000		92.8	70-130			
Isopropylbenzene	21.7	0.40	0.50	ug/L	20.0		108	75-116			

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Clear VOA- HCl Project Number: Navy Silicone Batch Number 157429-1	Reported: 03/11/19 12:52
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Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AB93757 - VOAs in Water GCMS

LCS (AB93757-BS1)		Prepared: 02/19/19 Analyzed: 02/20/19									
p-Isopropyltoluene	22.2	0.40	0.50	ug/L	20.0		111	78-124			
Methacrylonitrile	19.7	0.40	1.0	ug/L	20.0		98.7	70-130			
Methylene chloride	19.8	0.50	0.50	ug/L	20.0		99.2	72-132			
Methyl ethyl ketone	39.5	0.70	1.0	ug/L	40.0		98.6	58-157			
Methyl iodide	18.2	0.40	2.0	ug/L	20.0		91.2	56-167			
Methyl isobutyl ketone	40.0	0.60	1.0	ug/L	40.0		100	70-130			
Methyl methacrylate	18.4	0.40	1.0	ug/L	20.0		91.8	70-130			
Methyl tert-butyl ether	18.7	0.50	0.50	ug/L	20.0		93.7	84-119			
Naphthalene	20.0	0.50	0.50	ug/L	20.0		99.8	84-134			
Propionitrile	1020	20	50	ug/L	1000		102	70-130			
n-Propylbenzene	22.3	0.40	0.50	ug/L	20.0		112	75-127			
Styrene	22.9	0.40	0.50	ug/L	20.0		114	80-125			
Tert-amyl methyl ether	19.2	0.40	0.50	ug/L	20.0		95.8	74-120			
Tert-butyl alcohol	437	6.0	10	ug/L	400		109	66-147			
1,1,1,2-Tetrachloroethane	18.9	0.40	0.50	ug/L	20.0		94.6	80-132			
1,1,2,2-Tetrachloroethane	22.7	0.30	0.50	ug/L	20.0		113	84-115			
Tetrachloroethene	21.1	0.40	0.50	ug/L	20.0		105	56-156			
Tetrahydrofuran	18.4	0.40	5.0	ug/L	20.0		91.8	70-130			
Toluene	21.2	0.30	0.30	ug/L	20.0		106	76-137			
1,2,4-Trichlorobenzene	22.9	0.20	0.50	ug/L	20.0		115	84-126			
1,2,3-Trichlorobenzene	22.6	0.50	0.50	ug/L	20.0		113	85-133			
1,1,1-Trichloroethane	17.2	0.40	0.50	ug/L	20.0		85.9	70-130			
1,1,2-Trichloroethane	22.0	0.40	0.50	ug/L	20.0		110	83-122			
Trichloroethene	19.9	0.40	0.50	ug/L	20.0		99.4	84-123			
Trichlorofluoromethane	20.6	0.20	0.50	ug/L	20.0		103	74-130			
1,2,3-Trichloropropane	21.6	0.40	0.50	ug/L	20.0		108	78-122			
Trichlorotrifluoroethane	19.0	0.50	0.50	ug/L	20.0		94.8	82-125			
1,2,4-Trimethylbenzene	22.8	0.40	0.50	ug/L	20.0		114	85-127			
1,3,5-Trimethylbenzene	22.4	0.30	0.50	ug/L	20.0		112	80-125			
Vinyl acetate	35.7	0.80	1.0	ug/L	40.0		89.2	60-140			
Vinyl chloride	19.6	0.40	0.50	ug/L	20.0		97.8	70-130			
m,p-Xylene	43.6	0.50	0.50	ug/L	40.0		109	81-124			
o-Xylene	21.0	0.40	0.50	ug/L	20.0		105	80-126			
Xylenes (total)	64.6	0.50	0.50	ug/L	60.0		108	81-126			
Surrogate: Bromofluorobenzene	29.0			ug/L	25.0		116	70-130			
Surrogate: Dibromofluoromethane	24.2			ug/L	25.0		96.8	70-130			

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Clear VOA- HCl Project Number: Navy Silicone Batch Number 157429-1	Reported: 03/11/19 12:52
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Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AB93757 - VOAs in Water GCMS

LCS (AB93757-BS1) Prepared: 02/19/19 Analyzed: 02/20/19

Surrogate: Toluene-d8	26.9			ug/L	25.0		108	70-130			
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LCS Dup (AB93757-BS1) Prepared: 02/19/19 Analyzed: 02/20/19

Acetone	73.6	3.0	5.0	ug/L	80.0		92.0	48-124	2.32	25	
Acetonitrile	2120	50	100	ug/L	2000		106	70-130	1.76	25	
Acrylonitrile	19.5	0.40	5.0	ug/L	20.0		97.7	70-130	0.0512	25	
Allyl chloride	20.9	0.40	10	ug/L	20.0		105	70-130	0.479	25	
Benzene	19.3	0.30	0.30	ug/L	20.0		96.7	82-122	3.31	25	
Bromobenzene	21.6	0.40	0.50	ug/L	20.0		108	83-122	0.415	25	
Bromochloromethane	19.8	0.40	0.50	ug/L	20.0		98.8	83-124	0.507	25	
Bromodichloromethane	17.5	0.40	0.50	ug/L	20.0		87.7	86-135	4.61	25	
Bromoform	17.8	0.30	0.50	ug/L	20.0		88.9	76-144	1.76	25	
Bromomethane	15.5	0.40	0.50	ug/L	20.0		77.7	69-145	4.04	25	
n-Butylbenzene	19.5	0.40	0.50	ug/L	20.0		97.5	79-132	2.23	25	
sec-Butylbenzene	21.6	0.40	0.50	ug/L	20.0		108	86-132	1.87	25	
tert-Butylbenzene	22.4	0.30	0.50	ug/L	20.0		112	82-126	1.57	25	
Carbon disulfide	21.6	0.40	5.0	ug/L	20.0		108	70-130	7.05	30	
Carbon tetrachloride	17.6	0.40	0.50	ug/L	20.0		87.8	77-134	9.36	25	
Chlorobenzene	21.0	0.30	0.50	ug/L	20.0		105	84-119	0.0952	25	
Chloroethane	20.3	0.40	0.50	ug/L	20.0		102	68-133	2.77	25	
Chloroform	19.8	0.40	0.50	ug/L	20.0		98.9	81-122	2.98	25	
Chloromethane	21.2	0.40	0.50	ug/L	20.0		106	63-129	1.09	25	
Chloroprene	21.7	0.40	1.0	ug/L	20.0		108	70-130	5.01	25	
2-Chlorotoluene	21.6	0.40	0.50	ug/L	20.0		108	79-132	0.970	25	
4-Chlorotoluene	21.7	0.30	0.50	ug/L	20.0		108	80-122	0.872	25	
Dibromochloromethane	18.9	0.40	0.50	ug/L	20.0		94.4	83-135	1.71	25	
1,2-Dibromo-3-chloropropane	19.8	0.60	2.0	ug/L	20.0		99.0	73-128	4.23	25	
1,2-Dibromoethane (EDB)	21.0	0.40	0.50	ug/L	20.0		105	80-120	1.04	25	
Dibromomethane	19.2	0.40	0.50	ug/L	20.0		96.2	82-124	0.782	25	
1,2-Dichlorobenzene	21.6	0.40	0.50	ug/L	20.0		108	84-121	0.462	25	
1,3-Dichlorobenzene	20.8	0.40	0.50	ug/L	20.0		104	80-120	2.09	25	
1,4-Dichlorobenzene	20.9	0.10	0.50	ug/L	20.0		105	84-120	0.0478	25	
trans-1,4-Dichloro-2-butene	19.9	0.50	5.0	ug/L	20.0		99.5	70-130	0.751	25	
Dichlorodifluoromethane	22.1	0.40	0.50	ug/L	20.0		110	52-142	0.272	25	
1,1-Dichloroethane	20.3	0.10	0.50	ug/L	20.0		101	81-126	3.67	25	
1,2-Dichloroethane	17.5	0.40	0.50	ug/L	20.0		87.6	77-117	0.286	25	
1,1-Dichloroethene	18.8	0.30	0.50	ug/L	20.0		94.2	71-151	5.73	25	

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Clear VOA- HCl Project Number: Navy Silicone Batch Number 157429-1	Reported: 03/11/19 12:52
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Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AB93757 - VOAs in Water GCMS

LCS Dup (AB93757-BSD1)

Prepared: 02/19/19 Analyzed: 02/20/19

cis-1,2-Dichloroethene	19.5	0.40	0.50	ug/L	20.0		97.4	84-131	2.44	25	
trans-1,2-Dichloroethene	19.5	0.40	0.50	ug/L	20.0		97.7	79-128	4.82	25	
1,2-Dichloropropane	19.5	0.40	0.50	ug/L	20.0		97.4	82-125	1.24	25	
1,3-Dichloropropane	21.0	0.40	0.50	ug/L	20.0		105	83-120	0.993	25	
2,2-Dichloropropane	16.6	0.20	0.50	ug/L	20.0		83.2	80-125	14.6	25	
1,1-Dichloropropene	20.9	0.40	0.50	ug/L	20.0		104	85-130	5.11	25	
cis-1,3-Dichloropropene	18.3	0.40	0.50	ug/L	20.0		91.6	83-128	6.48	25	
trans-1,3-Dichloropropene	19.8	0.40	0.50	ug/L	20.0		98.9	67-129	5.77	25	
Diethyl ether	19.0	0.20	1.0	ug/L	20.0		95.1	70-130	3.97	25	
Di-isopropyl ether	20.6	0.40	0.50	ug/L	20.0		103	83-132	1.52	25	
Ethanol	1020	50	50	ug/L	980		104	50-150	1.00	25	
Ethylbenzene	22.1	0.40	0.50	ug/L	20.0		110	84-124	1.92	25	
Ethyl methacrylate	21.1	0.70	10	ug/L	20.0		106	70-130	0.660	25	
Ethyl tert-butyl ether	21.3	0.40	0.50	ug/L	20.0		106	74-127	5.01	25	
Hexachloroethane	18.8	0.40	1.0	ug/L	20.0		93.8	70-130	5.93	25	
Hexachlorobutadiene	21.2	0.50	0.50	ug/L	20.0		106	75-135	4.44	25	
2-Hexanone	22.2	0.50	5.0	ug/L	20.0		111	70-130	0.0903	30	
Isobutanol	1920	40	100	ug/L	2000		96.0	70-130	3.44	25	
Isopropylbenzene	22.1	0.40	0.50	ug/L	20.0		111	75-116	2.05	25	
p-Isopropyltoluene	22.4	0.40	0.50	ug/L	20.0		112	78-124	1.17	25	
Methylene chloride	20.2	0.50	0.50	ug/L	20.0		101	72-132	1.70	25	
Methacrylonitrile	19.7	0.40	1.0	ug/L	20.0		98.4	70-130	0.254	25	
Methyl ethyl ketone	40.6	0.70	1.0	ug/L	40.0		102	58-157	2.87	25	
Methyl iodide	19.2	0.40	2.0	ug/L	20.0		96.2	56-167	5.39	30	
Methyl isobutyl ketone	40.5	0.60	1.0	ug/L	40.0		101	70-130	1.04	25	
Methyl methacrylate	19.1	0.40	1.0	ug/L	20.0		95.6	70-130	4.00	25	
Propionitrile	1030	20	50	ug/L	1000		103	70-130	1.30	25	
Naphthalene	20.2	0.50	0.50	ug/L	20.0		101	84-134	0.897	25	
Methyl tert-butyl ether	19.8	0.50	0.50	ug/L	20.0		99.0	84-119	5.55	25	
n-Propylbenzene	22.8	0.40	0.50	ug/L	20.0		114	75-127	2.26	25	
Styrene	22.8	0.40	0.50	ug/L	20.0		114	80-125	0.131	25	
Tert-amyl methyl ether	20.2	0.40	0.50	ug/L	20.0		101	74-120	4.98	25	
Tert-butyl alcohol	486	6.0	10	ug/L	400		122	66-147	10.6	25	
1,1,1,2-Tetrachloroethane	19.7	0.40	0.50	ug/L	20.0		98.5	80-132	3.99	25	
1,1,2,2-Tetrachloroethane	22.1	0.30	0.50	ug/L	20.0		111	84-115	2.59	25	
Tetrachloroethene	21.8	0.40	0.50	ug/L	20.0		109	56-156	3.54	25	

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Clear VOA- HCl Project Number: Navy Silicone Batch Number 157429-1	Reported: 03/11/19 12:52
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Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AB93757 - VOAs in Water GCMS

LCS Dup (AB93757-BSD1)

Prepared: 02/19/19 Analyzed: 02/20/19

Tetrahydrofuran	18.5	0.40	5.0	ug/L	20.0		92.6	70-130	0.976	25	
Toluene	21.6	0.30	0.30	ug/L	20.0		108	76-137	1.83	25	
1,2,4-Trichlorobenzene	23.1	0.20	0.50	ug/L	20.0		115	84-126	0.565	25	
1,2,3-Trichlorobenzene	22.9	0.50	0.50	ug/L	20.0		114	85-133	1.50	25	
1,1,1-Trichloroethane	18.4	0.40	0.50	ug/L	20.0		92.1	70-130	6.97	25	
1,1,2-Trichloroethane	21.6	0.40	0.50	ug/L	20.0		108	83-122	1.79	25	
Trichloroethene	20.6	0.40	0.50	ug/L	20.0		103	84-123	3.26	25	
Trichlorofluoromethane	21.2	0.20	0.50	ug/L	20.0		106	74-130	2.83	25	
1,2,3-Trichloropropane	21.0	0.40	0.50	ug/L	20.0		105	78-122	2.82	25	
Trichlorotrifluoroethane	19.5	0.50	0.50	ug/L	20.0		97.4	82-125	2.71	25	
1,2,4-Trimethylbenzene	22.9	0.40	0.50	ug/L	20.0		114	85-127	0.131	25	
1,3,5-Trimethylbenzene	22.6	0.30	0.50	ug/L	20.0		113	80-125	0.846	25	
Vinyl acetate	38.0	0.80	1.0	ug/L	40.0		95.0	60-140	6.27	25	
Vinyl chloride	20.7	0.40	0.50	ug/L	20.0		103	70-130	5.42	25	
m,p-Xylene	43.6	0.50	0.50	ug/L	40.0		109	81-124	0.0229	25	
o-Xylene	21.4	0.40	0.50	ug/L	20.0		107	80-126	1.98	25	
Xylenes (total)	65.0	0.50	0.50	ug/L	60.0		108	81-126	0.663	25	
Surrogate: Bromofluorobenzene	28.5			ug/L	25.0		114	70-130			
Surrogate: Dibromofluoromethane	24.5			ug/L	25.0		97.9	70-130			
Surrogate: Toluene-d8	26.5			ug/L	25.0		106	70-130			

Matrix Spike (AB93757-MS1)

Source: 19B1644-02

Prepared: 02/19/19 Analyzed: 02/20/19

Acetone	77.3	3.0	5.0	ug/L	80.0	ND	96.6	32-164			
Acetonitrile	2140	50	100	ug/L	2000	ND	107	70-130			
Allyl chloride	21.8	0.40	10	ug/L	20.0	ND	109	70-130			
Acrylonitrile	19.8	0.40	5.0	ug/L	20.0	ND	98.8	70-130			
Benzene	20.9	0.30	0.30	ug/L	20.0	ND	104	58-139			
Bromobenzene	22.8	0.40	0.50	ug/L	20.0	ND	114	63-143			
Bromochloromethane	20.0	0.40	0.50	ug/L	20.0	ND	100	60-141			
Bromodichloromethane	17.8	0.40	0.50	ug/L	20.0	ND	89.2	62-140			
Bromoform	17.5	0.30	0.50	ug/L	20.0	ND	87.4	47-165			
Bromomethane	18.0	0.40	0.50	ug/L	20.0	ND	90.2	30-163			
n-Butylbenzene	21.9	0.40	0.50	ug/L	20.0	ND	109	57-147			
sec-Butylbenzene	23.8	0.40	0.50	ug/L	20.0	ND	119	64-155			
tert-Butylbenzene	24.6	0.30	0.50	ug/L	20.0	ND	123	57-150			
Carbon disulfide	23.9	0.40	5.0	ug/L	20.0	ND	119	70-130			
Carbon tetrachloride	18.0	0.40	0.50	ug/L	20.0	ND	90.2	65-153			

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Clear VOA- HCl Project Number: Navy Silicone Batch Number 157429-1	Reported: 03/11/19 12:52
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Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AB93757 - VOAs in Water GCMS

Matrix Spike (AB93757-MS1)	Source: 19B1644-02			Prepared: 02/19/19 Analyzed: 02/20/19							
Chlorobenzene	22.5	0.30	0.50	ug/L	20.0	ND	112	58-137			
Chloroethane	25.2	0.40	0.50	ug/L	20.0	ND	126	59-141			
Chloroform	21.0	0.40	0.50	ug/L	20.0	ND	105	36-151			
Chloromethane	23.6	0.40	0.50	ug/L	20.0	ND	118	69-149			
Chloroprene	24.2	0.40	1.0	ug/L	20.0	ND	121	70-130			
2-Chlorotoluene	23.6	0.40	0.50	ug/L	20.0	ND	118	54-150			
4-Chlorotoluene	23.3	0.30	0.50	ug/L	20.0	ND	117	59-140			
Dibromochloromethane	18.9	0.40	0.50	ug/L	20.0	ND	94.6	54-157			
1,2-Dibromo-3-chloropropane	19.4	0.60	2.0	ug/L	20.0	ND	96.8	54-137			
1,2-Dibromoethane (EDB)	21.3	0.40	0.50	ug/L	20.0	ND	106	40-147			
Dibromomethane	19.8	0.40	0.50	ug/L	20.0	ND	98.8	59-139			
1,2-Dichlorobenzene	22.8	0.40	0.50	ug/L	20.0	ND	114	39-145			
1,3-Dichlorobenzene	22.6	0.40	0.50	ug/L	20.0	ND	113	54-137			
1,4-Dichlorobenzene	22.3	0.10	0.50	ug/L	20.0	ND	111	41-142			
trans-1,4-Dichloro-2-butene	20.3	0.50	5.0	ug/L	20.0	ND	102	70-130			
Dichlorodifluoromethane	26.0	0.40	0.50	ug/L	20.0	ND	130	39-162			
1,1-Dichloroethane	21.9	0.10	0.50	ug/L	20.0	ND	110	39-146			
1,2-Dichloroethane	19.4	0.40	0.50	ug/L	20.0	ND	97.2	58-133			
1,1-Dichloroethene	20.8	0.30	0.50	ug/L	20.0	ND	104	70-154			
cis-1,2-Dichloroethene	20.9	0.40	0.50	ug/L	20.0	ND	105	66-141			
trans-1,2-Dichloroethene	21.3	0.40	0.50	ug/L	20.0	ND	106	59-151			
1,2-Dichloropropane	20.7	0.40	0.50	ug/L	20.0	ND	104	41-142			
1,3-Dichloropropane	21.8	0.40	0.50	ug/L	20.0	ND	109	62-139			
2,2-Dichloropropane	15.9	0.20	0.50	ug/L	20.0	ND	79.4	40-167			
1,1-Dichloropropene	23.3	0.40	0.50	ug/L	20.0	ND	116	58-148			
cis-1,3-Dichloropropene	17.7	0.40	0.50	ug/L	20.0	ND	88.6	50-140			
trans-1,3-Dichloropropene	18.6	0.40	0.50	ug/L	20.0	ND	92.8	40-144			
Diethyl ether	20.0	0.20	1.0	ug/L	20.0	ND	99.8	70-130			
Di-isopropyl ether	21.6	0.40	0.50	ug/L	20.0	ND	108	49-143			
Ethanol	1010	50	50	ug/L	980	ND	104	50-150			
Ethyl methacrylate	21.0	0.70	10	ug/L	20.0	ND	105	70-130			
Ethylbenzene	24.0	0.40	0.50	ug/L	20.0	ND	120	59-147			
Ethyl tert-butyl ether	18.1	0.40	0.50	ug/L	20.0	ND	90.4	44-143			
Hexachlorobutadiene	23.3	0.50	0.50	ug/L	20.0	ND	116	56-149			
Hexachloroethane	19.5	0.40	1.0	ug/L	20.0	ND	97.6	70-130			
2-Hexanone	22.4	0.50	5.0	ug/L	20.0	ND	112	70-130			

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Clear VOA- HCl Project Number: Navy Silicone Batch Number 157429-1	Reported: 03/11/19 12:52
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Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AB93757 - VOAs in Water GCMS

Matrix Spike (AB93757-MS1)	Source: 19B1644-02			Prepared: 02/19/19		Analyzed: 02/20/19		
Isobutanol	1940	40	100	ug/L	2000	ND	97.2	70-130
Isopropylbenzene	24.2	0.40	0.50	ug/L	20.0	ND	121	56-134
p-Isopropyltoluene	24.6	0.40	0.50	ug/L	20.0	ND	123	54-148
Methacrylonitrile	20.8	0.40	1.0	ug/L	20.0	ND	104	70-130
Methylene chloride	20.6	0.50	0.50	ug/L	20.0	ND	103	43-143
Methyl ethyl ketone	41.2	0.70	1.0	ug/L	40.0	ND	103	62-126
Methyl iodide	20.6	0.40	2.0	ug/L	20.0	ND	103	70-130
Methyl isobutyl ketone	40.6	0.60	1.0	ug/L	40.0	ND	102	66-127
Methyl methacrylate	18.6	0.40	1.0	ug/L	20.0	ND	93.2	70-130
Naphthalene	20.6	0.50	0.50	ug/L	20.0	ND	103	52-157
Propionitrile	1030	20	50	ug/L	1000	ND	103	70-130
Methyl tert-butyl ether	17.2	0.50	0.50	ug/L	20.0	ND	86.0	55-144
n-Propylbenzene	25.0	0.40	0.50	ug/L	20.0	ND	125	55-145
Styrene	24.3	0.40	0.50	ug/L	20.0	ND	121	51-157
Tert-amyl methyl ether	17.6	0.40	0.50	ug/L	20.0	ND	88.1	41-136
Tert-butyl alcohol	437	6.0	10	ug/L	400	ND	109	38-175
1,1,1,2-Tetrachloroethane	19.8	0.40	0.50	ug/L	20.0	ND	99.2	58-146
1,1,2,2-Tetrachloroethane	22.8	0.30	0.50	ug/L	20.0	ND	114	73-127
Tetrachloroethene	23.8	0.40	0.50	ug/L	20.0	ND	119	49-148
Tetrahydrofuran	18.2	0.40	5.0	ug/L	20.0	ND	90.8	70-130
Toluene	23.4	0.30	0.30	ug/L	20.0	ND	117	59-147
1,2,4-Trichlorobenzene	24.0	0.20	0.50	ug/L	20.0	ND	120	50-150
1,2,3-Trichlorobenzene	23.5	0.50	0.50	ug/L	20.0	ND	118	50-161
1,1,1-Trichloroethane	19.3	0.40	0.50	ug/L	20.0	ND	96.5	38-164
1,1,2-Trichloroethane	22.4	0.40	0.50	ug/L	20.0	ND	112	46-136
Trichloroethene	22.3	0.40	0.50	ug/L	20.0	ND	111	58-140
Trichlorofluoromethane	25.2	0.20	0.50	ug/L	20.0	ND	126	56-144
1,2,3-Trichloropropane	21.9	0.40	0.50	ug/L	20.0	ND	110	61-139
Trichlorotrifluoroethane	23.1	0.50	0.50	ug/L	20.0	ND	115	59-139
1,2,4-Trimethylbenzene	24.7	0.40	0.50	ug/L	20.0	ND	124	58-152
1,3,5-Trimethylbenzene	24.3	0.30	0.50	ug/L	20.0	ND	122	58-148
Vinyl acetate	35.7	0.80	1.0	ug/L	40.0	ND	89.3	70-130
Vinyl chloride	24.2	0.40	0.50	ug/L	20.0	ND	121	53-160
m,p-Xylene	47.9	0.50	0.50	ug/L	40.0	ND	120	53-147
o-Xylene	23.0	0.40	0.50	ug/L	20.0	ND	115	55-148
Xylenes (total)	70.9	0.50	0.50	ug/L	60.0	ND	118	49-153

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Clear VOA- HCl Project Number: Navy Silicone Batch Number 157429-1	Reported: 03/11/19 12:52
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Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AB93757 - VOAs in Water GCMS

Matrix Spike (AB93757-MS1)	Source: 19B1644-02	Prepared: 02/19/19	Analyzed: 02/20/19		
Surrogate: Bromofluorobenzene	27.5	ug/L	25.0	110	70-130
Surrogate: Dibromofluoromethane	24.2	ug/L	25.0	96.9	70-130
Surrogate: Toluene-d8	26.4	ug/L	25.0	106	70-130

Matrix Spike Dup (AB93757-MSD1)	Source: 19B1644-02	Prepared: 02/19/19	Analyzed: 02/20/19							
Acetone	70.9	3.0	5.0	ug/L	80.0	ND	88.6	32-164	8.69	25
Acetonitrile	2100	50	100	ug/L	2000	ND	105	70-130	1.89	25
Allyl chloride	23.9	0.40	10	ug/L	20.0	ND	120	70-130	9.19	25
Acrylonitrile	20.3	0.40	5.0	ug/L	20.0	ND	102	70-130	2.84	25
Benzene	20.5	0.30	0.30	ug/L	20.0	ND	103	58-139	1.88	25
Bromobenzene	22.7	0.40	0.50	ug/L	20.0	ND	114	63-143	0.527	25
Bromochloromethane	20.9	0.40	0.50	ug/L	20.0	ND	104	60-141	4.31	25
Bromodichloromethane	18.8	0.40	0.50	ug/L	20.0	ND	93.9	62-140	5.08	25
Bromoform	19.7	0.30	0.50	ug/L	20.0	ND	98.4	47-165	11.9	25
Bromomethane	20.0	0.40	0.50	ug/L	20.0	ND	100	30-163	10.6	25
n-Butylbenzene	21.8	0.40	0.50	ug/L	20.0	ND	109	57-147	0.274	25
sec-Butylbenzene	23.6	0.40	0.50	ug/L	20.0	ND	118	64-155	0.675	25
tert-Butylbenzene	24.2	0.30	0.50	ug/L	20.0	ND	121	57-150	1.47	25
Carbon disulfide	24.4	0.40	5.0	ug/L	20.0	ND	122	70-130	2.11	30
Carbon tetrachloride	19.5	0.40	0.50	ug/L	20.0	ND	97.3	65-153	7.57	25
Chlorobenzene	22.3	0.30	0.50	ug/L	20.0	ND	111	58-137	0.849	25
Chloroethane	23.7	0.40	0.50	ug/L	20.0	ND	118	59-141	6.26	25
Chloroform	21.0	0.40	0.50	ug/L	20.0	ND	105	36-151	0.429	25
Chloromethane	24.8	0.40	0.50	ug/L	20.0	ND	124	69-149	5.21	25
Chloroprene	24.0	0.40	1.0	ug/L	20.0	ND	120	70-130	0.415	25
2-Chlorotoluene	23.4	0.40	0.50	ug/L	20.0	ND	117	54-150	0.553	25
4-Chlorotoluene	23.3	0.30	0.50	ug/L	20.0	ND	117	59-140	0.0429	25
Dibromochloromethane	20.4	0.40	0.50	ug/L	20.0	ND	102	54-157	7.67	25
1,2-Dibromo-3-chloropropane	20.2	0.60	2.0	ug/L	20.0	ND	101	54-137	4.45	25
1,2-Dibromoethane (EDB)	22.0	0.40	0.50	ug/L	20.0	ND	110	40-147	3.51	25
Dibromomethane	20.0	0.40	0.50	ug/L	20.0	ND	100	59-139	1.31	25
1,2-Dichlorobenzene	23.2	0.40	0.50	ug/L	20.0	ND	116	39-145	1.61	25
1,3-Dichlorobenzene	22.6	0.40	0.50	ug/L	20.0	ND	113	54-137	0.266	25
1,4-Dichlorobenzene	22.3	0.10	0.50	ug/L	20.0	ND	112	41-142	0.179	25
trans-1,4-Dichloro-2-butene	20.8	0.50	5.0	ug/L	20.0	ND	104	70-130	2.19	25
Dichlorodifluoromethane	24.6	0.40	0.50	ug/L	20.0	ND	123	39-162	5.50	25
1,1-Dichloroethane	21.5	0.10	0.50	ug/L	20.0	ND	108	39-146	1.89	25

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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Clear VOA- HCl Project Number: Navy Silicone Batch Number 157429-1	Reported: 03/11/19 12:52
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Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AB93757 - VOAs in Water GCMS

Matrix Spike Dup (AB93757-MSD1)	Source: 19B1644-02			Prepared: 02/19/19 Analyzed: 02/20/19							
1,2-Dichloroethane	18.3	0.40	0.50	ug/L	20.0	ND	91.6	58-133	5.88	25	
1,1-Dichloroethene	21.6	0.30	0.50	ug/L	20.0	ND	108	70-154	3.35	25	
cis-1,2-Dichloroethene	20.8	0.40	0.50	ug/L	20.0	ND	104	66-141	0.768	25	
trans-1,2-Dichloroethene	21.1	0.40	0.50	ug/L	20.0	ND	106	59-151	0.708	25	
1,2-Dichloropropane	20.4	0.40	0.50	ug/L	20.0	ND	102	41-142	1.51	25	
1,3-Dichloropropane	21.9	0.40	0.50	ug/L	20.0	ND	109	62-139	0.137	25	
2,2-Dichloropropane	18.8	0.20	0.50	ug/L	20.0	ND	94.2	40-167	17.1	25	
1,1-Dichloropropene	22.7	0.40	0.50	ug/L	20.0	ND	113	58-148	2.79	25	
cis-1,3-Dichloropropene	19.0	0.40	0.50	ug/L	20.0	ND	94.8	50-140	6.76	25	
trans-1,3-Dichloropropene	20.3	0.40	0.50	ug/L	20.0	ND	102	40-144	9.05	25	
Diethyl ether	19.3	0.20	1.0	ug/L	20.0	ND	96.5	70-130	3.41	25	
Di-isopropyl ether	21.7	0.40	0.50	ug/L	20.0	ND	108	49-143	0.463	25	
Ethyl methacrylate	21.7	0.70	10	ug/L	20.0	ND	108	70-130	3.19	25	
Ethylbenzene	23.5	0.40	0.50	ug/L	20.0	ND	117	59-147	2.44	25	
Ethanol	969	50	50	ug/L	980	ND	98.9	50-150	4.59	25	
Ethyl tert-butyl ether	20.2	0.40	0.50	ug/L	20.0	ND	101	44-143	11.3	25	
Hexachloroethane	20.5	0.40	1.0	ug/L	20.0	ND	102	70-130	4.75	25	
Hexachlorobutadiene	23.2	0.50	0.50	ug/L	20.0	ND	116	56-149	0.387	25	
2-Hexanone	22.2	0.50	5.0	ug/L	20.0	ND	111	70-130	0.987	30	
Isopropylbenzene	23.9	0.40	0.50	ug/L	20.0	ND	120	56-134	1.08	25	
Isobutanol	1910	40	100	ug/L	2000	ND	95.6	70-130	1.71	25	
p-Isopropyltoluene	24.4	0.40	0.50	ug/L	20.0	ND	122	54-148	1.02	25	
Methylene chloride	20.4	0.50	0.50	ug/L	20.0	ND	102	43-143	0.929	25	
Methacrylonitrile	20.6	0.40	1.0	ug/L	20.0	ND	103	70-130	0.916	25	
Methyl ethyl ketone	43.0	0.70	1.0	ug/L	40.0	ND	108	62-126	4.42	25	
Methyl iodide	21.0	0.40	2.0	ug/L	20.0	ND	105	70-130	2.11	30	
Methyl isobutyl ketone	40.7	0.60	1.0	ug/L	40.0	ND	102	66-127	0.197	25	
Methyl methacrylate	19.3	0.40	1.0	ug/L	20.0	ND	96.4	70-130	3.48	25	
Propionitrile	1030	20	50	ug/L	1000	ND	103	70-130	0.0593	25	
Methyl tert-butyl ether	18.6	0.50	0.50	ug/L	20.0	ND	92.8	55-144	7.55	25	
Naphthalene	20.7	0.50	0.50	ug/L	20.0	ND	104	52-157	0.824	25	
n-Propylbenzene	24.6	0.40	0.50	ug/L	20.0	ND	123	55-145	1.77	25	
Styrene	24.2	0.40	0.50	ug/L	20.0	ND	121	51-157	0.371	25	
Tert-amyl methyl ether	19.3	0.40	0.50	ug/L	20.0	ND	96.7	41-136	9.31	25	
Tert-butyl alcohol	464	6.0	10	ug/L	400	ND	116	38-175	5.87	25	
1,1,1,2-Tetrachloroethane	20.7	0.40	0.50	ug/L	20.0	ND	103	58-146	4.14	25	

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AB93757 - VOAs in Water GCMS

Matrix Spike Dup (AB93757-MSD1)	Source: 19B1644-02			Prepared: 02/19/19 Analyzed: 02/20/19						
1,1,2,2-Tetrachloroethane	23.0	0.30	0.50	ug/L	20.0	ND	115	73-127	0.743	25
Tetrachloroethene	23.5	0.40	0.50	ug/L	20.0	ND	117	49-148	1.52	25
Tetrahydrofuran	18.1	0.40	5.0	ug/L	20.0	ND	90.3	70-130	0.607	25
Toluene	22.7	0.30	0.30	ug/L	20.0	ND	113	59-147	2.87	25
1,2,3-Trichlorobenzene	23.9	0.50	0.50	ug/L	20.0	ND	119	50-161	1.48	25
1,2,4-Trichlorobenzene	24.7	0.20	0.50	ug/L	20.0	ND	123	50-150	3.00	25
1,1,1-Trichloroethane	20.1	0.40	0.50	ug/L	20.0	ND	101	38-164	4.26	25
1,1,2-Trichloroethane	22.5	0.40	0.50	ug/L	20.0	ND	112	46-136	0.535	25
Trichloroethene	21.8	0.40	0.50	ug/L	20.0	ND	109	58-140	2.23	25
Trichlorofluoromethane	24.6	0.20	0.50	ug/L	20.0	ND	123	56-144	2.41	25
1,2,3-Trichloropropane	22.1	0.40	0.50	ug/L	20.0	ND	111	61-139	1.09	25
Trichlorotrifluoroethane	22.8	0.50	0.50	ug/L	20.0	ND	114	59-139	1.44	25
1,2,4-Trimethylbenzene	24.6	0.40	0.50	ug/L	20.0	ND	123	58-152	0.649	25
1,3,5-Trimethylbenzene	24.1	0.30	0.50	ug/L	20.0	ND	121	58-148	0.867	25
Vinyl acetate	37.9	0.80	1.0	ug/L	40.0	ND	94.7	70-130	5.90	25
Vinyl chloride	23.5	0.40	0.50	ug/L	20.0	ND	118	53-160	3.02	25
m,p-Xylene	46.9	0.50	0.50	ug/L	40.0	ND	117	53-147	2.03	25
o-Xylene	22.9	0.40	0.50	ug/L	20.0	ND	114	55-148	0.654	25
Xylenes (total)	69.8	0.50	0.50	ug/L	60.0	ND	116	49-153	1.58	25
Surrogate: Bromofluorobenzene	27.4			ug/L	25.0		110	70-130		
Surrogate: Dibromofluoromethane	24.4			ug/L	25.0		97.5	70-130		
Surrogate: Toluene-d8	26.7			ug/L	25.0		107	70-130		

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. email: clientservices@alpha-labs.com
Corporate: 208 Mason Street | Ukiah, CA 95482 | T: 707-468-0401 | F: 707-468-5267 | ELAP# 1551

Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

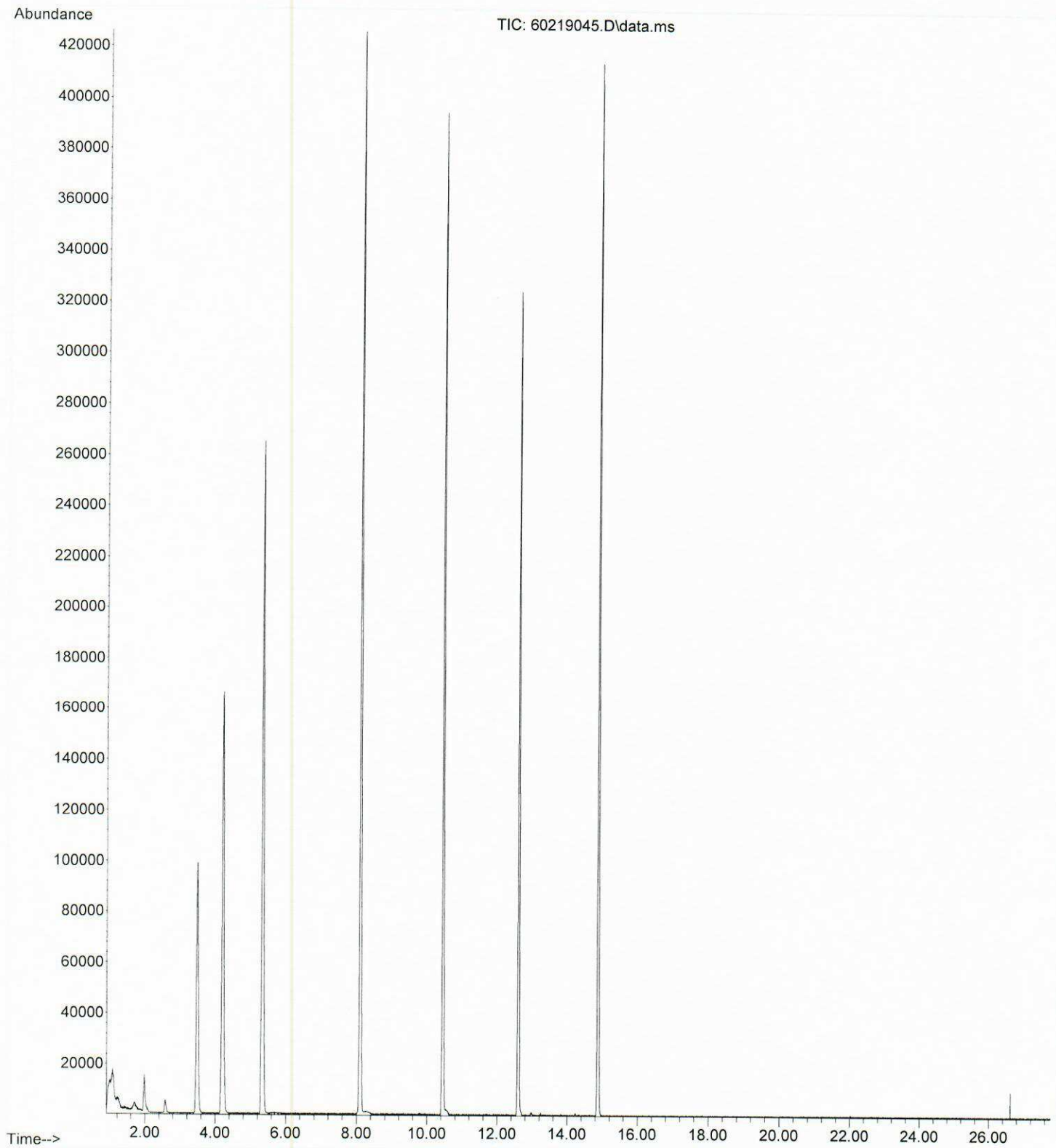
Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Navy Silicone Batch Number 157429-1

Reported:
03/11/19 12:52

Notes and Definitions

- J Detected but below the Reporting Limit; therefore, result is an estimated concentration, detected but not quantified (DNQ).
- QL-03 Although the LCS/LCSD recovery for this analyte is outside of in-house developed control limits, it is within the EPA recommended range of 70-130%.
- 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.
- U Analyte included in analysis, but not detected at or above MDL.
- ND Analyte NOT DETECTED at or above the reporting limit
- dry Sample results reported on a dry weight basis
- MDL Method detection limit
- Rec Recovery
- RPD Relative Percent Difference

File :D:\MassHunter\GCMS\1\data\021919\60219045.D
Operator : JV
Acquired : 20 Feb 2019 04:07 pm using AcqMethod MS6INS.M
Instrument : GCMS6
Sample Name: 19B2100-01
Misc Info :
Vial Number: 45



File :C:\msdchem\1\data\022619\40226042.D
Operator : JV
Acquired : 27 Feb 2019 3:05 pm using AcqMethod MS4INS_BFBATUNE.M
Instrument : GCMS4
Sample Name: 19B2100-02
Misc Info :
Vial Number: 42

