



Alpha

Alpha Analytical Laboratories, Inc.

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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 (NP)

Work Order: 19B2093

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 (NP)
Project Number: Silicone Batch Number 2018120302

Reported:
03/11/19 11:33

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
B9045CUBS - 01	19B2093-01	Water	02/15/19 00:00	02/19/19 08:00
B9045CUBS - 02	19B2093-02	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 (NP)
 Project Number: Silicone Batch Number 2018120302

Reported:
 03/11/19 11:33

Volatile Organic Compounds by EPA Method 524.2

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

B9045CUBS - 02 (19B2093-02) 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 13:55	EPA 524.2	JV	U
Acrylonitrile	ND	0.40	5.0	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	EPA 524.2	JV	U
Benzene	ND	0.30	0.30	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	EPA 524.2	JV	U
Bromobenzene	ND	0.20	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	EPA 524.2	JV	U
Bromochloromethane	ND	0.40	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	EPA 524.2	JV	U
Bromodichloromethane	ND	0.20	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	EPA 524.2	JV	U
Bromoform	ND	0.30	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	EPA 524.2	JV	U
Bromomethane	ND	0.40	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	EPA 524.2	JV	U
n-Butylbenzene	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	EPA 524.2	JV	U
sec-Butylbenzene	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	EPA 524.2	JV	U
tert-Butylbenzene	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	EPA 524.2	JV	U
Carbon disulfide	ND	0.40	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	EPA 524.2	JV	U
Carbon tetrachloride	ND	0.30	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	EPA 524.2	JV	U
Chlorobenzene	ND	0.20	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	EPA 524.2	JV	U
Chloroethane	ND	0.30	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	EPA 524.2	JV	U
Chloroform	ND	0.30	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	EPA 524.2	JV	U
Chloromethane	ND	0.40	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	EPA 524.2	JV	U
2-Chlorotoluene	ND	0.20	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	EPA 524.2	JV	U
4-Chlorotoluene	ND	0.20	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	EPA 524.2	JV	U
Dibromochloromethane	ND	0.30	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	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 13:55	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 13:55	EPA 524.2	JV	U
Dibromomethane	ND	0.20	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	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 13:55	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 13:55	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 13:55	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 13:55	EPA 524.2	JV	U
Dichlorodifluoromethane	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	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 13:55	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 13:55	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 13:55	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 13:55	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 13:55	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 13:55	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 13:55	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 13:55	EPA 524.2	JV	U

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 Livermore CA, 94551

Project Manager: Quality Control Manager
 Project: QC- 40ml Clear VOA (NP)
 Project Number: Silicone Batch Number 2018120302

Reported:
 03/11/19 11:33

Volatile Organic Compounds by EPA Method 524.2

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

B9045CUBS - 02 (19B2093-02) 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 13:55	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 13:55	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 13:55	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 13:55	EPA 524.2	JV	U
2-Hexanone	ND	0.50	5.0	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	EPA 524.2	JV	U
Ethylbenzene	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	EPA 524.2	JV	U
Hexachlorobutadiene	ND	0.40	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	EPA 524.2	JV	U
Isopropylbenzene	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	EPA 524.2	JV	U
p-Isopropyltoluene	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	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 13:55	EPA 524.2	JV	U
Methyl iodide	ND	0.40	2.0	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	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 13:55	EPA 524.2	JV	U
Methylene chloride	ND	0.40	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	EPA 524.2	JV	U
Naphthalene	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	EPA 524.2	JV	U
n-Propylbenzene	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	EPA 524.2	JV	U
Styrene	ND	0.20	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	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 13:55	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 13:55	EPA 524.2	JV	U
Tetrachloroethene	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	EPA 524.2	JV	U
Toluene	ND	0.30	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	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 13:55	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 13:55	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 13:55	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 13:55	EPA 524.2	JV	U
Trichloroethene	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	EPA 524.2	JV	U
Trichlorofluoromethane	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	EPA 524.2	JV	U
Trichlorotrifluoroethane	ND	0.40	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	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 13:55	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 13:55	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 13:55	EPA 524.2	JV	U
Vinyl chloride	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	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 13:55	EPA 524.2	JV	U
o-Xylene	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	EPA 524.2	JV	U
Xylenes (total)	ND	0.50	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	EPA 524.2	JV	U
Trihalomethanes (total)	ND	0.30	0.50	ug/L	1	AB94178	02/27/19 11:00	02/27/19 13:55	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 13:55	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 (NP)
 Project Number: Silicone Batch Number 2018120302

Reported:
 03/11/19 11:33

Volatile Organic Compounds by EPA Method 524.2

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

B9045CUBS - 02 (19B2093-02) 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 13:55	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 13:55	EPA 524.2	JV	U
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130			AB94178	02/27/19 11:00	02/27/19 13:55	EPA 524.2	JV	
<i>Surrogate: Dibromofluoromethane</i>		93.6 %	70-130			AB94178	02/27/19 11:00	02/27/19 13:55	EPA 524.2	JV	
<i>Surrogate: Toluene-d8</i>		110 %	70-130			AB94178	02/27/19 11:00	02/27/19 13:55	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 (NP)
 Project Number: Silicone Batch Number 2018120302

Reported:
 03/11/19 11:33

Volatile Organic Compounds by EPA Method 8260B

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

B9045CUBS - 01 (19B2093-01) 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 15:03	EPA 8260	JV	U
Acetonitrile	ND	50	100	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
Acrylonitrile	ND	0.40	5.0	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
Allyl chloride	ND	0.40	10	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
Benzene	ND	0.30	0.30	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
Bromobenzene	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
Bromochloromethane	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
Bromodichloromethane	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
Bromoform	ND	0.30	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
Bromomethane	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
n-Butylbenzene	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
sec-Butylbenzene	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
tert-Butylbenzene	ND	0.30	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
Carbon disulfide	ND	0.40	5.0	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
Carbon tetrachloride	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
Chlorobenzene	ND	0.30	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
Chloroethane	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
Chloroform	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
Chloromethane	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
Chloroprene	ND	0.40	1.0	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
2-Chlorotoluene	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
4-Chlorotoluene	ND	0.30	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
Dibromochloromethane	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	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 15:03	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 15:03	EPA 8260	JV	U
Dibromomethane	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
1,2-Dichlorobenzene	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
1,3-Dichlorobenzene	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
1,4-Dichlorobenzene	ND	0.10	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	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 15:03	EPA 8260	JV	U
Dichlorodifluoromethane	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
1,1-Dichloroethane	ND	0.10	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
1,2-Dichloroethane	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
1,1-Dichloroethene	ND	0.30	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	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 15:03	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 15:03	EPA 8260	JV	U

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 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 (NP)
 Project Number: Silicone Batch Number 2018120302

Reported:
 03/11/19 11:33

Volatile Organic Compounds by EPA Method 8260B

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

B9045CUBS - 01 (19B2093-01) 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 15:03	EPA 8260	JV	U
1,3-Dichloropropane	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
2,2-Dichloropropane	ND	0.20	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
1,1-Dichloropropene	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	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 15:03	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 15:03	EPA 8260	JV	U
Diethyl ether	ND	0.20	1.0	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
Di-isopropyl ether	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
Ethanol	ND	50	50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
Ethyl methacrylate	ND	0.70	10	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
Ethylbenzene	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	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 15:03	EPA 8260	JV	U
Hexachlorobutadiene	ND	0.50	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
Hexachloroethane	ND	0.40	1.0	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
2-Hexanone	ND	0.50	5.0	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
Isobutanol	ND	40	100	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
Isopropylbenzene	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
p-Isopropyltoluene	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
Methacrylonitrile	ND	0.40	1.0	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
Methylene chloride	ND	0.50	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
Methyl ethyl ketone	ND	0.70	1.0	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
Methyl iodide	ND	0.40	2.0	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
Methyl isobutyl ketone	ND	0.60	1.0	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
Methyl methacrylate	ND	0.40	1.0	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	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 15:03	EPA 8260	JV	U
Naphthalene	ND	0.50	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
Propionitrile	ND	20	50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
n-Propylbenzene	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
Styrene	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	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 15:03	EPA 8260	JV	U
Tert-butyl alcohol	ND	6.0	10	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	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 15:03	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 15:03	EPA 8260	JV	U
Tetrachloroethene	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
Tetrahydrofuran	ND	0.40	5.0	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
Toluene	ND	0.30	0.30	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U

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 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 (NP)
 Project Number: Silicone Batch Number 2018120302

Reported:
 03/11/19 11:33

Volatile Organic Compounds by EPA Method 8260B

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

B9045CUBS - 01 (19B2093-01) 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 15:03	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 15:03	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 15:03	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 15:03	EPA 8260	JV	U
Trichloroethene	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
Trichlorofluoromethane	ND	0.20	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	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 15:03	EPA 8260	JV	U
Trichlorotrifluoroethane	ND	0.50	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	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 15:03	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 15:03	EPA 8260	JV	U
Vinyl acetate	ND	0.80	1.0	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
Vinyl chloride	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
m,p-Xylene	ND	0.50	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
o-Xylene	ND	0.40	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
Xylenes (total)	ND	0.50	0.50	ug/L	1	AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	U
Surrogate: Bromofluorobenzene		112 %	70-130			AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	
Surrogate: Dibromofluoromethane		92.9 %	70-130			AB93757	02/20/19 11:00	02/20/19 15:03	EPA 8260	JV	
Surrogate: Toluene-d8		113 %	70-130			AB93757	02/20/19 11:00	02/20/19 15:03	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 (NP)
 Project Number: Silicone Batch Number 2018120302

Reported:
 03/11/19 11:33

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 (NP)
 Project Number: Silicone Batch Number 2018120302

Reported:
 03/11/19 11:33

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 (NP) Project Number: Silicone Batch Number 2018120302	Reported: 03/11/19 11:33
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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 (NP)
 Project Number: Silicone Batch Number 2018120302

Reported:
 03/11/19 11:33

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 (NP) Project Number: Silicone Batch Number 2018120302	Reported: 03/11/19 11:33
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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 (NP) Project Number: Silicone Batch Number 2018120302	Reported: 03/11/19 11:33
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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

1,4-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 (NP)
 Project Number: Silicone Batch Number 2018120302

Reported:
 03/11/19 11:33

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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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Clear VOA (NP) Project Number: Silicone Batch Number 2018120302	Reported: 03/11/19 11:33
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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 (NP) Project Number: Silicone Batch Number 2018120302	Reported: 03/11/19 11:33
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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 (NP) Project Number: Silicone Batch Number 2018120302	Reported: 03/11/19 11:33
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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 (NP)
 Project Number: Silicone Batch Number 2018120302

Reported:
 03/11/19 11:33

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 (NP) Project Number: Silicone Batch Number 2018120302	Reported: 03/11/19 11:33
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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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Sample Traps, LLC 262 Rickenbacker Circle Livermore CA, 94551	Project Manager: Quality Control Manager Project: QC- 40ml Clear VOA (NP) Project Number: Silicone Batch Number 2018120302	Reported: 03/11/19 11:33
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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 (NP) Project Number: Silicone Batch Number 2018120302	Reported: 03/11/19 11:33
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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 (NP) Project Number: Silicone Batch Number 2018120302	Reported: 03/11/19 11:33
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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 (NP) Project Number: Silicone Batch Number 2018120302	Reported: 03/11/19 11:33
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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 (NP) Project Number: Silicone Batch Number 2018120302	Reported: 03/11/19 11:33
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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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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 (NP) Project Number: Silicone Batch Number 2018120302	Reported: 03/11/19 11:33
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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 (NP) Project Number: Silicone Batch Number 2018120302	Reported: 03/11/19 11:33
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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 (NP) Project Number: Silicone Batch Number 2018120302	Reported: 03/11/19 11:33
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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 (NP) Project Number: Silicone Batch Number 2018120302	Reported: 03/11/19 11:33
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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.



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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

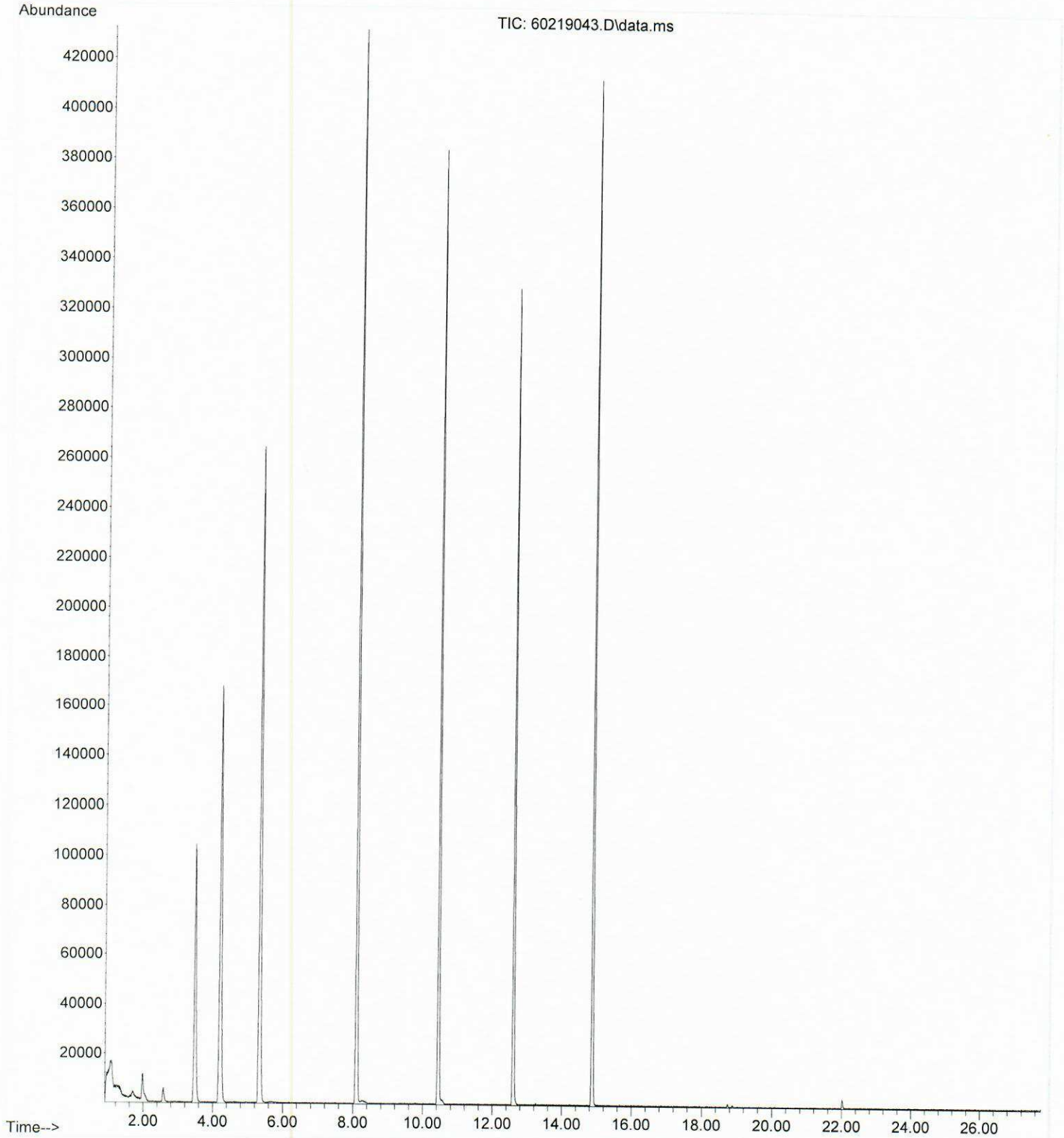
Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA (NP)
Project Number: Silicone Batch Number 2018120302

Reported:
03/11/19 11:33

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\60219043.D
Operator : JV
Acquired : 20 Feb 2019 03:03 pm using AcqMethod MS6INS.M
Instrument : GCMS6
Sample Name: 19B2093-01
Misc Info :
Vial Number: 43



File :C:\msdchem\1\data\022619\40226040.D
Operator : JV
Acquired : 27 Feb 2019 1:55 pm using AcqMethod MS4INS_BFBATUNE.M
Instrument : GCMS4
Sample Name: 19B2093-02
Misc Info :
Vial Number: 40

