



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com

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

Bay Area: 262 Rickenbacker Circle, Livermore, CA 94551 • Phone: (925) 828-6226 • Fax: (925) 828-6309

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

ELAP Certificates 1551, 2728, and 2922

15 February 2018

Sample Traps, LLC

Attn: Quality Control Manager

262 Rickenbacker Circle

Livermore, CA 94551

RE: QC- 40ml Clear VOA- HCl

Work Order: 18A2793

Enclosed are the results of analyses for samples received by the laboratory on 01/30/18 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



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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: Silicone Batch Number 2017083004

Reported:
02/15/18 14:22

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B8030CVBS-01	18A2793-01	Water	01/30/18 00:00	01/30/18 08:00
B8030CVBS-02	18A2793-02	Water	01/30/18 00:00	01/30/18 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: Silicone Batch Number 2017083004

Reported:
02/15/18 14:22

Volatile Organic Compounds by EPA Method 524.2

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
B8030CVBS-02 (18A2793-02) Water Sampled: 01/30/18 00:00 Received: 01/30/18 08:00												
Acetone	ND	2.0	5.0		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
Acrylonitrile	ND	0.40	5.0		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
Benzene	ND	0.30	0.30		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
Bromobenzene	ND	0.50	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
Bromochloromethane	ND	0.40	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
Bromodichloromethane	ND	0.20	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
Bromoform	ND	0.30	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
Bromomethane	ND	0.40	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
n-Butylbenzene	ND	0.50	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
sec-Butylbenzene	ND	0.50	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
tert-Butylbenzene	ND	0.50	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
Carbon disulfide	ND	0.40	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
Carbon tetrachloride	ND	0.30	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
Chlorobenzene	ND	0.50	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
Chloroethane	ND	0.30	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
Chloroform	ND	0.30	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
Chloromethane	ND	0.40	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
2-Chlorotoluene	ND	0.50	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
4-Chlorotoluene	ND	0.50	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
Dibromochloromethane	ND	0.30	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
1,2-Dibromo-3-chloropropane	ND	0.50	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
1,2-Dibromoethane (EDB)	ND	0.50	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
Dibromomethane	ND	0.50	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
1,2-Dichlorobenzene	ND	0.50	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
1,3-Dichlorobenzene	ND	0.40	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
1,4-Dichlorobenzene	ND	0.50	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
trans-1,4-Dichloro-2-butene	ND	0.30	5.0		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
Dichlorodifluoromethane	ND	0.50	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
1,1-Dichloroethane	ND	0.40	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
1,2-Dichloroethane	ND	0.50	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
1,1-Dichloroethene	ND	0.30	0.30		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
cis-1,2-Dichloroethene	ND	0.40	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
trans-1,2-Dichloroethene	ND	0.40	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
1,2-Dichloropropane	ND	0.50	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U

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- HCl
Project Number: Silicone Batch Number 2017083004

Reported:
02/15/18 14:22

Volatile Organic Compounds by EPA Method 524.2

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
B8030CVBS-02 (18A2793-02) Water Sampled: 01/30/18 00:00 Received: 01/30/18 08:00												
1,3-Dichloropropane	ND	0.50	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
2,2-Dichloropropane	ND	0.30	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
1,1-Dichloropropene	ND	0.50	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
cis-1,3-Dichloropropene	ND	0.30	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
trans-1,3-Dichloropropene	ND	0.30	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
1,3-Dichloropropene (total)	ND	0.30	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
2-Hexanone	ND	4.0	5.0		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
Ethylbenzene	ND	0.50	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
Hexachlorobutadiene	ND	0.40	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
Isopropylbenzene	ND	0.50	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
p-Isopropyltoluene	ND	0.50	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
Methyl ethyl ketone	ND	0.60	1.0		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
Methyl iodide	ND	0.40	2.0		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
Methyl isobutyl ketone	ND	0.80	1.0		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
Methylene chloride	ND	0.40	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
Naphthalene	ND	0.50	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
n-Propylbenzene	ND	0.50	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
Styrene	ND	0.50	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
1,1,1,2-Tetrachloroethane	ND	0.40	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
1,1,2,2-Tetrachloroethane	ND	0.50	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
Tetrachloroethene	ND	0.50	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
Toluene	ND	0.30	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
1,2,3-Trichlorobenzene	ND	0.40	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
1,2,4-Trichlorobenzene	ND	0.40	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
1,1,1-Trichloroethane	ND	0.40	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
1,1,2-Trichloroethane	ND	0.50	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
Trichloroethene	ND	0.50	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
Trichlorofluoromethane	ND	0.50	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
Trichlorotrifluoroethane	ND	0.40	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
1,2,3-Trichloropropane	ND	0.50	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
1,2,4-Trimethylbenzene	ND	0.50	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
1,3,5-Trimethylbenzene	ND	0.50	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
Vinyl chloride	ND	0.50	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
m,p-Xylene	ND	0.50	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	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: Silicone Batch Number 2017083004

Reported:
02/15/18 14:22

Volatile Organic Compounds by EPA Method 524.2

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
B8030CVBS-02 (18A2793-02) Water Sampled: 01/30/18 00:00 Received: 01/30/18 08:00												
o-Xylene	ND	0.50	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
Xylenes (total)	ND	0.50	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
Trihalomethanes (total)	ND	0.30	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
Methyl tert-butyl ether	ND	0.50	3.0		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
Ethyl tert-butyl ether	ND	0.40	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
Tert-amyl methyl ether	ND	0.30	0.50		ug/L	1	AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	U
Surrogate: Bromofluorobenzene		103 %	70-130				AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	
Surrogate: Dibromofluoromethane		110 %	70-130				AB83133	02/06/18 10:00	02/06/18 12:56	EPA 524.2	JV	
Surrogate: Toluene-d8		109 %	70-130				AB83133	02/06/18 10:00	02/06/18 12:56	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: Silicone Batch Number 2017083004

Reported:
02/15/18 14:22

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
B8030CVBS-01 (18A2793-01) Water Sampled: 01/30/18 00:00 Received: 01/30/18 08:00												
Acetone	ND	0.90	5.0		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Acetonitrile	ND	50	100		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Acrylonitrile	ND	0.40	5.0		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Allyl chloride	ND	0.40	10		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Benzene	ND	0.30	0.30		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Bromobenzene	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Bromochloromethane	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Bromodichloromethane	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Bromoform	ND	0.30	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Bromomethane	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
n-Butylbenzene	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
sec-Butylbenzene	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
tert-Butylbenzene	ND	0.30	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Carbon disulfide	ND	0.40	5.0		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Carbon tetrachloride	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Chlorobenzene	ND	0.30	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Chloroethane	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Chloroform	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Chloromethane	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Chloroprene	ND	0.40	1.0		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
2-Chlorotoluene	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
4-Chlorotoluene	ND	0.30	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Dibromochloromethane	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
1,2-Dibromo-3-chloropropane	ND	0.60	2.0		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
1,2-Dibromoethane (EDB)	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Dibromomethane	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
1,2-Dichlorobenzene	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
1,3-Dichlorobenzene	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
1,4-Dichlorobenzene	ND	0.30	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
trans-1,4-Dichloro-2-butene	ND	0.50	5.0		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Dichlorodifluoromethane	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
1,1-Dichloroethane	ND	0.50	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
1,2-Dichloroethane	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
1,1-Dichloroethene	ND	0.30	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U

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e-mail: clientservices@alpha-labs.com

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

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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: Silicone Batch Number 2017083004

Reported:
02/15/18 14:22

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
B8030CVBS-01 (18A2793-01) Water Sampled: 01/30/18 00:00 Received: 01/30/18 08:00												
cis-1,2-Dichloroethene	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
trans-1,2-Dichloroethene	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
1,2-Dichloropropane	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
1,3-Dichloropropane	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
2,2-Dichloropropane	ND	0.50	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
1,1-Dichloropropene	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
cis-1,3-Dichloropropene	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
trans-1,3-Dichloropropene	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Diethyl ether	ND	0.50	1.0		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Di-isopropyl ether	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Ethanol	ND	50	50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Ethyl methacrylate	ND	0.30	10		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Ethylbenzene	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Ethyl tert-butyl ether	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Hexachlorobutadiene	ND	0.50	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Hexachloroethane	ND	0.40	1.0		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
2-Hexanone	ND	4.0	5.0		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Isobutanol	ND	40	100		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Isopropylbenzene	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
p-Isopropyltoluene	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Methacrylonitrile	ND	0.40	1.0		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Methylene chloride	ND	0.50	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Methyl ethyl ketone	ND	0.70	1.0		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Methyl iodide	ND	0.40	2.0		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Methyl isobutyl ketone	ND	0.60	1.0		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Methyl methacrylate	ND	0.40	1.0		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Methyl tert-butyl ether	ND	0.50	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Naphthalene	ND	0.50	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Propionitrile	ND	20	50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
n-Propylbenzene	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Styrene	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Tert-amyl methyl ether	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Tert-butyl alcohol	ND	6.0	10		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
1,1,1,2-Tetrachloroethane	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	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: Silicone Batch Number 2017083004

Reported:
02/15/18 14:22

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
B8030CVBS-01 (18A2793-01) Water Sampled: 01/30/18 00:00 Received: 01/30/18 08:00												
1,1,2,2-Tetrachloroethane	ND	0.30	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Tetrachloroethene	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Tetrahydrofuran	ND	4.0	5.0		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Toluene	ND	0.30	0.30		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
1,2,3-Trichlorobenzene	ND	0.50	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
1,2,4-Trichlorobenzene	ND	0.20	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
1,1,1-Trichloroethane	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
1,1,2-Trichloroethane	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Trichloroethene	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Trichlorofluoromethane	ND	0.50	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
1,2,3-Trichloropropane	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Trichlorotrifluoroethane	ND	0.50	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
1,2,4-Trimethylbenzene	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
1,3,5-Trimethylbenzene	ND	0.30	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Vinyl acetate	ND	0.80	1.0		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Vinyl chloride	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
m,p-Xylene	ND	0.50	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
o-Xylene	ND	0.40	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Xylenes (total)	ND	0.50	0.50		ug/L	1	AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	U
Surrogate: Bromofluorobenzene		105 %	81-135				AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	
Surrogate: Dibromofluoromethane		97.8 %	46-130				AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	
Surrogate: Toluene-d8		103 %	59-132				AB83119	02/06/18 09:00	02/06/18 11:17	EPA 8260	MM	



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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: Silicone Batch Number 2017083004

Reported:
02/15/18 14:22

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	Limit	RPD	Limit	Notes
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Batch AB83133 - VOAs in Water GCMS

Blank (AB83133-BLK1)

Prepared: 02/05/18 Analyzed: 02/06/18

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	0.50	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	0.50	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	0.50	0.50	ug/L							U
4-Chlorotoluene	ND	0.50	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	0.50	0.50	ug/L							U
Dibromomethane	ND	0.50	0.50	ug/L							U
1,2-Dichlorobenzene	ND	0.50	0.50	ug/L							U
1,3-Dichlorobenzene	ND	0.40	0.50	ug/L							U
1,4-Dichlorobenzene	ND	0.50	0.50	ug/L							U
trans-1,4-Dichloro-2-butene	ND	0.30	5.0	ug/L							U
Dichlorodifluoromethane	ND	0.50	0.50	ug/L							U
1,1-Dichloroethane	ND	0.40	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	0.50	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: Silicone Batch Number 2017083004

Reported:
02/15/18 14:22

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 AB83133 - VOAs in Water GCMS

Blank (AB83133-BLK1)

Prepared: 02/05/18 Analyzed: 02/06/18

1,3-Dichloropropane	ND	0.50	0.50	ug/L							U
2,2-Dichloropropane	ND	0.30	0.50	ug/L							U
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
Ethylbenzene	ND	0.50	0.50	ug/L							U
2-Hexanone	ND	4.0	5.0	ug/L							U
1,3-Dichloropropene (total)	ND	0.30	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	0.50	0.50	ug/L							U
1,1,1,2-Tetrachloroethane	ND	0.40	0.50	ug/L							U
1,1,2,2-Tetrachloroethane	ND	0.50	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	0.50	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

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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: Silicone Batch Number 2017083004

Reported:
02/15/18 14:22

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Result	MDL	Reporting		Spike Level	Source		%REC		RPD		Notes
			Limit	Units		Result	%REC	Limits	RPD	Limit		

Batch AB83133 - VOAs in Water GCMS

Blank (AB83133-BLK1)

Prepared: 02/05/18 Analyzed: 02/06/18

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
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	25.9			ug/L	25.0	104	70-130					
Surrogate: Dibromofluoromethane	28.2			ug/L	25.0	113	70-130					
Surrogate: Toluene-d8	27.4			ug/L	25.0	110	70-130					

LCS (AB83133-BS1)

Prepared: 02/05/18 Analyzed: 02/06/18

Acetone	20.1	2.0	5.0	ug/L	20.0	100	70-130					
Acrylonitrile	5.03	0.40	5.0	ug/L	5.00	101	70-130					
Benzene	4.93	0.30	0.30	ug/L	5.00	98.6	70-130					
Bromobenzene	4.94	0.50	0.50	ug/L	5.00	98.8	70-130					
Bromochloromethane	5.33	0.40	0.50	ug/L	5.00	107	70-130					
Bromodichloromethane	4.82	0.20	0.50	ug/L	5.00	96.4	70-130					
Bromoform	4.88	0.30	0.50	ug/L	5.00	97.6	70-130					
Bromomethane	4.38	0.40	0.50	ug/L	5.00	87.6	70-130					
n-Butylbenzene	4.92	0.50	0.50	ug/L	5.00	98.4	70-130					
sec-Butylbenzene	4.84	0.50	0.50	ug/L	5.00	96.8	70-130					
tert-Butylbenzene	4.80	0.50	0.50	ug/L	5.00	96.0	70-130					
Carbon disulfide	3.83	0.40	0.50	ug/L	5.00	76.6	70-130					
Carbon tetrachloride	3.71	0.30	0.50	ug/L	5.00	74.2	70-130					
Chlorobenzene	5.09	0.50	0.50	ug/L	5.00	102	70-130					
Chloroethane	4.15	0.30	0.50	ug/L	5.00	83.0	70-130					
Chloroform	4.95	0.30	0.50	ug/L	5.00	99.0	70-130					
Chloromethane	4.48	0.40	0.50	ug/L	5.00	89.6	70-130					
2-Chlorotoluene	4.88	0.50	0.50	ug/L	5.00	97.6	70-130					
4-Chlorotoluene	4.87	0.50	0.50	ug/L	5.00	97.4	70-130					
Dibromochloromethane	4.88	0.30	0.50	ug/L	5.00	97.6	70-130					
1,2-Dibromo-3-chloropropane	4.87	0.50	0.50	ug/L	5.00	97.4	70-130					
1,2-Dibromoethane (EDB)	5.01	0.50	0.50	ug/L	5.00	100	70-130					
Dibromomethane	4.93	0.50	0.50	ug/L	5.00	98.6	70-130					
1,2-Dichlorobenzene	5.08	0.50	0.50	ug/L	5.00	102	70-130					
1,3-Dichlorobenzene	4.81	0.40	0.50	ug/L	5.00	96.2	70-130					

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e-mail: clientservices@alpha-labs.com

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

Bay Area: 262 Rickenbacker Circle, Livermore, CA 94551 • Phone: (925) 828-6226 • Fax: (925) 828-6309

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

Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Silicone Batch Number 2017083004

Reported:
02/15/18 14:22

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 AB83133 - VOAs in Water GCMS

LCS (AB83133-BS1)

Prepared: 02/05/18 Analyzed: 02/06/18

1,4-Dichlorobenzene	4.90	0.50	0.50	ug/L	5.00		98.0	70-130			
trans-1,4-Dichloro-2-butene	4.25	0.30	5.0	ug/L	5.00		85.0	70-130			J
Dichlorodifluoromethane	4.16	0.50	0.50	ug/L	5.00		83.2	70-130			
1,1-Dichloroethane	5.10	0.40	0.50	ug/L	5.00		102	70-130			
1,2-Dichloroethane	4.64	0.50	0.50	ug/L	5.00		92.8	70-130			
1,1-Dichloroethene	4.46	0.30	0.30	ug/L	5.00		89.2	70-130			
cis-1,2-Dichloroethene	5.35	0.40	0.50	ug/L	5.00		107	70-130			
trans-1,2-Dichloroethene	4.99	0.40	0.50	ug/L	5.00		99.8	70-130			
1,2-Dichloropropane	4.88	0.50	0.50	ug/L	5.00		97.6	70-130			
1,3-Dichloropropane	5.25	0.50	0.50	ug/L	5.00		105	70-130			
2,2-Dichloropropane	3.77	0.30	0.50	ug/L	5.00		75.4	70-130			
1,1-Dichloropropene	4.45	0.50	0.50	ug/L	5.00		89.0	70-130			
cis-1,3-Dichloropropene	4.24	0.30	0.50	ug/L	5.00		84.8	70-130			
trans-1,3-Dichloropropene	4.52	0.30	0.50	ug/L	5.00		90.4	70-130			
2-Hexanone	5.14	4.0	5.0	ug/L	5.00		103	70-130			
Ethylbenzene	4.83	0.50	0.50	ug/L	5.00		96.6	70-130			
Hexachlorobutadiene	5.11	0.40	0.50	ug/L	5.00		102	70-130			
Isopropylbenzene	5.01	0.50	0.50	ug/L	5.00		100	70-130			
p-Isopropyltoluene	4.79	0.50	0.50	ug/L	5.00		95.8	70-130			
Methyl ethyl ketone	10.7	0.60	1.0	ug/L	10.0		107	70-130			
Methyl iodide	5.02	0.40	2.0	ug/L	5.00		100	70-130			
Methyl isobutyl ketone	10.1	0.80	1.0	ug/L	10.0		101	70-130			
Methylene chloride	5.32	0.40	0.50	ug/L	5.00		106	70-130			
Naphthalene	5.09	0.50	0.50	ug/L	5.00		102	70-130			
n-Propylbenzene	4.63	0.50	0.50	ug/L	5.00		92.6	70-130			
Styrene	4.91	0.50	0.50	ug/L	5.00		98.2	70-130			
1,1,1,2-Tetrachloroethane	4.34	0.40	0.50	ug/L	5.00		86.8	70-130			
1,1,2,2-Tetrachloroethane	4.75	0.50	0.50	ug/L	5.00		95.0	70-130			
Tetrachloroethene	4.78	0.50	0.50	ug/L	5.00		95.6	70-130			
Toluene	4.97	0.30	0.50	ug/L	5.00		99.4	70-130			
1,2,3-Trichlorobenzene	5.40	0.40	0.50	ug/L	5.00		108	70-130			
1,2,4-Trichlorobenzene	5.30	0.40	0.50	ug/L	5.00		106	70-130			
1,1,1-Trichloroethane	5.12	0.40	0.50	ug/L	5.00		102	70-130			
1,1,2-Trichloroethane	5.15	0.50	0.50	ug/L	5.00		103	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: Silicone Batch Number 2017083004

Reported:
02/15/18 14:22

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 AB83133 - VOAs in Water GCMS

LCS (AB83133-BS1)

Prepared: 02/05/18 Analyzed: 02/06/18

Trichloroethene	4.76	0.50	0.50	ug/L	5.00		95.2	70-130			
Trichlorofluoromethane	3.91	0.50	0.50	ug/L	5.00		78.2	70-130			
Trichlorotrifluoroethane	4.89	0.40	0.50	ug/L	5.00		97.8	70-130			
1,2,3-Trichloropropane	5.08	0.50	0.50	ug/L	5.00		102	70-130			
1,2,4-Trimethylbenzene	4.89	0.50	0.50	ug/L	5.00		97.8	70-130			
1,3,5-Trimethylbenzene	4.68	0.50	0.50	ug/L	5.00		93.6	70-130			
Vinyl chloride	4.22	0.50	0.50	ug/L	5.00		84.4	70-130			
m,p-Xylene	9.31	0.50	0.50	ug/L	10.0		93.1	70-130			
o-Xylene	4.88	0.50	0.50	ug/L	5.00		97.6	70-130			
Xylenes (total)	14.2	0.50	0.50	ug/L	15.0		94.6	70-130			
Methyl tert-butyl ether	5.17	0.50	3.0	ug/L	5.00		103	70-130			
Ethyl tert-butyl ether	5.52	0.40	0.50	ug/L	5.00		110	70-130			
Tert-amyl methyl ether	4.85	0.30	0.50	ug/L	5.00		97.0	70-130			
Surrogate: Bromofluorobenzene	26.4			ug/L	25.0		106	70-130			
Surrogate: Dibromofluoromethane	27.8			ug/L	25.0		111	70-130			
Surrogate: Toluene-d8	27.0			ug/L	25.0		108	70-130			

LCS Dup (AB83133-BSD1)

Prepared: 02/05/18 Analyzed: 02/06/18

Acetone	23.6	2.0	5.0	ug/L	20.0		118	70-130	16.1	30	
Acrylonitrile	6.13	0.40	5.0	ug/L	5.00		123	70-130	19.7	30	
Benzene	4.76	0.30	0.30	ug/L	5.00		95.2	70-130	3.51	30	
Bromobenzene	4.70	0.50	0.50	ug/L	5.00		94.0	70-130	4.98	30	
Bromochloromethane	5.13	0.40	0.50	ug/L	5.00		103	70-130	3.82	30	
Bromodichloromethane	4.99	0.20	0.50	ug/L	5.00		99.8	70-130	3.47	30	
Bromoform	4.73	0.30	0.50	ug/L	5.00		94.6	70-130	3.12	30	
Bromomethane	4.29	0.40	0.50	ug/L	5.00		85.8	70-130	2.08	30	
n-Butylbenzene	5.01	0.50	0.50	ug/L	5.00		100	70-130	1.81	30	
sec-Butylbenzene	4.78	0.50	0.50	ug/L	5.00		95.6	70-130	1.25	30	
tert-Butylbenzene	4.72	0.50	0.50	ug/L	5.00		94.4	70-130	1.68	30	
Carbon disulfide	3.87	0.40	0.50	ug/L	5.00		77.4	70-130	1.04	30	
Carbon tetrachloride	4.00	0.30	0.50	ug/L	5.00		80.0	70-130	7.52	30	
Chlorobenzene	4.78	0.50	0.50	ug/L	5.00		95.6	70-130	6.28	30	
Chloroethane	4.09	0.30	0.50	ug/L	5.00		81.8	70-130	1.46	30	
Chloroform	4.78	0.30	0.50	ug/L	5.00		95.6	70-130	3.49	30	
Chloromethane	4.99	0.40	0.50	ug/L	5.00		99.8	70-130	10.8	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: Silicone Batch Number 2017083004

Reported:
02/15/18 14:22

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 AB83133 - VOAs in Water GCMS

LCS Dup (AB83133-BSD1)

Prepared: 02/05/18 Analyzed: 02/06/18

2-Chlorotoluene	4.63	0.50	0.50	ug/L	5.00		92.6	70-130	5.26	30	
4-Chlorotoluene	4.60	0.50	0.50	ug/L	5.00		92.0	70-130	5.70	30	
Dibromochloromethane	4.95	0.30	0.50	ug/L	5.00		99.0	70-130	1.42	30	
1,2-Dibromo-3-chloropropane	5.01	0.50	0.50	ug/L	5.00		100	70-130	2.83	25	
1,2-Dibromoethane (EDB)	5.02	0.50	0.50	ug/L	5.00		100	70-130	0.199	25	
Dibromomethane	5.12	0.50	0.50	ug/L	5.00		102	70-130	3.78	30	
1,2-Dichlorobenzene	4.91	0.50	0.50	ug/L	5.00		98.2	70-130	3.40	30	
1,3-Dichlorobenzene	4.74	0.40	0.50	ug/L	5.00		94.8	70-130	1.47	30	
trans-1,4-Dichloro-2-butene	4.14	0.30	5.0	ug/L	5.00		82.8	70-130	2.62	25	J
1,4-Dichlorobenzene	4.66	0.50	0.50	ug/L	5.00		93.2	70-130	5.02	30	
Dichlorodifluoromethane	4.98	0.50	0.50	ug/L	5.00		99.6	70-130	17.9	30	
1,1-Dichloroethane	5.05	0.40	0.50	ug/L	5.00		101	70-130	0.985	30	
1,2-Dichloroethane	4.54	0.50	0.50	ug/L	5.00		90.8	70-130	2.18	30	
1,1-Dichloroethene	4.65	0.30	0.30	ug/L	5.00		93.0	70-130	4.17	30	
cis-1,2-Dichloroethene	5.09	0.40	0.50	ug/L	5.00		102	70-130	4.98	30	
trans-1,2-Dichloroethene	4.86	0.40	0.50	ug/L	5.00		97.2	70-130	2.64	30	
1,2-Dichloropropane	4.73	0.50	0.50	ug/L	5.00		94.6	70-130	3.12	30	
1,3-Dichloropropane	5.04	0.50	0.50	ug/L	5.00		101	70-130	4.08	30	
2,2-Dichloropropane	4.26	0.30	0.50	ug/L	5.00		85.2	70-130	12.2	30	
1,1-Dichloropropene	4.49	0.50	0.50	ug/L	5.00		89.8	70-130	0.895	30	
cis-1,3-Dichloropropene	4.31	0.30	0.50	ug/L	5.00		86.2	70-130	1.64	30	
trans-1,3-Dichloropropene	4.54	0.30	0.50	ug/L	5.00		90.8	70-130	0.442	30	
2-Hexanone	5.53	4.0	5.0	ug/L	5.00		111	70-130	7.31	25	
Ethylbenzene	4.71	0.50	0.50	ug/L	5.00		94.2	70-130	2.52	30	
Hexachlorobutadiene	5.73	0.40	0.50	ug/L	5.00		115	70-130	11.4	30	
Isopropylbenzene	4.85	0.50	0.50	ug/L	5.00		97.0	70-130	3.25	30	
p-Isopropyltoluene	4.76	0.50	0.50	ug/L	5.00		95.2	70-130	0.628	30	
Methyl ethyl ketone	12.8	0.60	1.0	ug/L	10.0		128	70-130	17.5	30	
Methyl iodide	4.82	0.40	2.0	ug/L	5.00		96.4	70-130	4.07	25	
Methyl isobutyl ketone	10.9	0.80	1.0	ug/L	10.0		109	70-130	7.23	30	
Methylene chloride	5.09	0.40	0.50	ug/L	5.00		102	70-130	4.42	30	
Naphthalene	5.29	0.50	0.50	ug/L	5.00		106	70-130	3.85	30	
n-Propylbenzene	4.65	0.50	0.50	ug/L	5.00		93.0	70-130	0.431	30	
Styrene	4.68	0.50	0.50	ug/L	5.00		93.6	70-130	4.80	30	
1,1,1,2-Tetrachloroethane	4.25	0.40	0.50	ug/L	5.00		85.0	70-130	2.10	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: Silicone Batch Number 2017083004

Reported:
02/15/18 14:22

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 AB83133 - VOAs in Water GCMS

LCS Dup (AB83133-BSD1)

Prepared: 02/05/18 Analyzed: 02/06/18

1,1,2,2-Tetrachloroethane	4.46	0.50	0.50	ug/L	5.00		89.2	70-130	6.30	30	
Tetrachloroethene	4.68	0.50	0.50	ug/L	5.00		93.6	70-130	2.11	30	
Toluene	4.85	0.30	0.50	ug/L	5.00		97.0	70-130	2.44	30	
1,2,3-Trichlorobenzene	5.65	0.40	0.50	ug/L	5.00		113	70-130	4.52	30	
1,2,4-Trichlorobenzene	5.55	0.40	0.50	ug/L	5.00		111	70-130	4.61	30	
1,1,1-Trichloroethane	4.01	0.40	0.50	ug/L	5.00		80.2	70-130	24.3	30	
1,1,1,2-Trichloroethane	4.97	0.50	0.50	ug/L	5.00		99.4	70-130	3.56	30	
Trichloroethene	4.73	0.50	0.50	ug/L	5.00		94.6	70-130	0.632	30	
Trichlorofluoromethane	5.03	0.50	0.50	ug/L	5.00		101	70-130	25.1	30	
Trichlorotrifluoroethane	5.27	0.40	0.50	ug/L	5.00		105	70-130	7.48	30	
1,2,3-Trichloropropane	4.87	0.50	0.50	ug/L	5.00		97.4	70-130	4.22	25	
1,2,4-Trimethylbenzene	4.76	0.50	0.50	ug/L	5.00		95.2	70-130	2.69	30	
1,3,5-Trimethylbenzene	4.63	0.50	0.50	ug/L	5.00		92.6	70-130	1.07	30	
Vinyl chloride	3.58	0.50	0.50	ug/L	5.00		71.6	70-130	16.4	30	
m,p-Xylene	9.12	0.50	0.50	ug/L	10.0		91.2	70-130	2.06	30	
o-Xylene	4.56	0.50	0.50	ug/L	5.00		91.2	70-130	6.78	30	
Xylenes (total)	13.7	0.50	0.50	ug/L	15.0		91.2	70-130	3.66	30	
Methyl tert-butyl ether	5.16	0.50	3.0	ug/L	5.00		103	70-130	0.194	30	
Ethyl tert-butyl ether	5.21	0.40	0.50	ug/L	5.00		104	70-130	5.78	30	
Tert-amyl methyl ether	4.94	0.30	0.50	ug/L	5.00		98.8	70-130	1.84	30	
Surrogate: Bromofluorobenzene	26.3			ug/L	25.0		105	70-130			
Surrogate: Dibromofluoromethane	27.8			ug/L	25.0		111	70-130			
Surrogate: Toluene-d8	26.6			ug/L	25.0		107	70-130			

MRL Check (AB83133-MRL1)

Prepared: 02/05/18 Analyzed: 02/06/18

Bromodichloromethane	0.740	0.20	0.50	ug/L	1.00		74.0	0-200			
Bromoform	0.730	0.30	0.50	ug/L	1.00		73.0	0-200			
Chloroform	0.900	0.30	0.50	ug/L	1.00		90.0	0-200			
Dibromochloromethane	0.760	0.30	0.50	ug/L	1.00		76.0	0-200			
Trihalomethanes (total)	3.13	0.30	0.50	ug/L	4.00		78.2	0-200			
Surrogate: Bromofluorobenzene	25.9			ug/L	25.0		104	70-130			
Surrogate: Dibromofluoromethane	25.8			ug/L	25.0		103	70-130			
Surrogate: Toluene-d8	24.9			ug/L	25.0		99.8	70-130			

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262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Silicone Batch Number 2017083004

Reported:
02/15/18 14:22

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 AB83133 - VOAs in Water GCMS

Matrix Spike (AB83133-MS1)	Source: 18A2481-01	Prepared: 02/05/18	Analyzed: 02/06/18	QM-05				
Acetone	19.6	2.0	5.0 ug/L	20.0	ND	98.2	70-130	
Acrylonitrile	4.55	0.40	5.0 ug/L	5.00	ND	91.0	70-130	J
Benzene	3.90	0.30	0.30 ug/L	5.00	ND	78.0	70-130	
Bromobenzene	3.81	0.50	0.50 ug/L	5.00	ND	76.2	70-130	
Bromochloromethane	4.01	0.40	0.50 ug/L	5.00	ND	80.2	70-130	
Bromodichloromethane	3.55	0.20	0.50 ug/L	5.00	ND	71.0	70-130	
Bromoform	3.38	0.30	0.50 ug/L	5.00	ND	67.6	70-130	
Bromomethane	4.06	0.40	0.50 ug/L	5.00	ND	81.2	70-130	
n-Butylbenzene	4.31	0.50	0.50 ug/L	5.00	ND	86.2	70-130	
sec-Butylbenzene	4.10	0.50	0.50 ug/L	5.00	ND	82.0	70-130	
tert-Butylbenzene	3.96	0.50	0.50 ug/L	5.00	ND	79.2	70-130	
Carbon disulfide	3.45	0.40	0.50 ug/L	5.00	ND	69.0	70-130	
Carbon tetrachloride	3.24	0.30	0.50 ug/L	5.00	ND	64.8	70-130	
Chlorobenzene	3.99	0.50	0.50 ug/L	5.00	ND	79.8	70-130	
Chloroethane	4.80	0.30	0.50 ug/L	5.00	ND	96.0	70-130	
Chloroform	3.88	0.30	0.50 ug/L	5.00	ND	77.6	70-130	
Chloromethane	3.55	0.40	0.50 ug/L	5.00	ND	71.0	70-130	
2-Chlorotoluene	3.99	0.50	0.50 ug/L	5.00	ND	79.8	70-130	
4-Chlorotoluene	3.76	0.50	0.50 ug/L	5.00	ND	75.2	70-130	
Dibromochloromethane	3.52	0.30	0.50 ug/L	5.00	ND	70.4	70-130	
1,2-Dibromo-3-chloropropane	3.82	0.50	0.50 ug/L	5.00	ND	76.4	70-130	
1,2-Dibromoethane (EDB)	3.77	0.50	0.50 ug/L	5.00	ND	75.4	70-130	
Dibromomethane	3.80	0.50	0.50 ug/L	5.00	ND	76.0	70-130	
1,2-Dichlorobenzene	3.77	0.50	0.50 ug/L	5.00	ND	75.4	70-130	
1,3-Dichlorobenzene	3.76	0.40	0.50 ug/L	5.00	ND	75.2	70-130	
1,4-Dichlorobenzene	3.73	0.50	0.50 ug/L	5.00	ND	74.6	70-130	
trans-1,4-Dichloro-2-butene	2.01	0.30	5.0 ug/L	5.00	ND	40.2	70-130	J
Dichlorodifluoromethane	5.06	0.50	0.50 ug/L	5.00	ND	101	70-130	
1,1-Dichloroethane	4.27	0.40	0.50 ug/L	5.00	ND	85.4	70-130	
1,2-Dichloroethane	3.59	0.50	0.50 ug/L	5.00	ND	71.8	70-130	
1,1-Dichloroethene	4.35	0.30	0.30 ug/L	5.00	ND	87.0	70-130	
cis-1,2-Dichloroethene	4.19	0.40	0.50 ug/L	5.00	ND	83.8	70-130	
trans-1,2-Dichloroethene	4.23	0.40	0.50 ug/L	5.00	ND	84.6	70-130	
1,2-Dichloropropane	3.74	0.50	0.50 ug/L	5.00	ND	74.8	70-130	

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e-mail: clientservices@alpha-labs.com

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

Bay Area: 262 Rickenbacker Circle, Livermore, CA 94551 • Phone: (925) 828-6226 • Fax: (925) 828-6309

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

Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Silicone Batch Number 2017083004

Reported:
02/15/18 14:22

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 AB83133 - VOAs in Water GCMS

Matrix Spike (AB83133-MS1)	Source: 18A2481-01	Prepared: 02/05/18	Analyzed: 02/06/18	QM-05				
1,3-Dichloropropane	3.90	0.50	0.50 ug/L	5.00	ND	78.0	70-130	
2,2-Dichloropropane	3.85	0.30	0.50 ug/L	5.00	ND	77.0	70-130	
1,1-Dichloropropene	4.04	0.50	0.50 ug/L	5.00	ND	80.8	70-130	
cis-1,3-Dichloropropene	3.08	0.30	0.50 ug/L	5.00	ND	61.6	70-130	
trans-1,3-Dichloropropene	3.01	0.30	0.50 ug/L	5.00	ND	60.2	70-130	
Ethylbenzene	3.89	0.50	0.50 ug/L	5.00	ND	77.8	70-130	
2-Hexanone	ND	4.0	5.0 ug/L	5.00	ND		70-130	U
Hexachlorobutadiene	4.24	0.40	0.50 ug/L	5.00	ND	84.8	70-130	
Isopropylbenzene	4.24	0.50	0.50 ug/L	5.00	ND	84.8	70-130	
p-Isopropyltoluene	4.00	0.50	0.50 ug/L	5.00	ND	80.0	70-130	
Methyl ethyl ketone	9.93	0.60	1.0 ug/L	10.0	ND	99.3	70-130	
Methyl iodide	4.28	0.40	2.0 ug/L	5.00	ND	85.6	70-130	
Methyl isobutyl ketone	7.75	0.80	1.0 ug/L	10.0	ND	77.5	70-130	
Methylene chloride	3.76	0.40	0.50 ug/L	5.00	ND	75.2	70-130	
Naphthalene	3.59	0.50	0.50 ug/L	5.00	ND	71.8	70-130	
n-Propylbenzene	4.00	0.50	0.50 ug/L	5.00	ND	80.0	70-130	
Styrene	3.54	0.50	0.50 ug/L	5.00	ND	70.8	70-130	
1,1,1,2-Tetrachloroethane	3.11	0.40	0.50 ug/L	5.00	ND	62.2	70-130	
1,1,2,2-Tetrachloroethane	3.38	0.50	0.50 ug/L	5.00	ND	67.6	70-130	
Tetrachloroethene	4.34	0.50	0.50 ug/L	5.00	ND	86.8	70-130	
Toluene	4.08	0.30	0.50 ug/L	5.00	ND	81.6	70-130	
1,2,3-Trichlorobenzene	4.13	0.40	0.50 ug/L	5.00	ND	82.6	70-130	
1,2,4-Trichlorobenzene	3.98	0.40	0.50 ug/L	5.00	ND	79.6	70-130	
1,1,1-Trichloroethane	4.13	0.40	0.50 ug/L	5.00	ND	82.6	70-130	
1,1,2-Trichloroethane	3.99	0.50	0.50 ug/L	5.00	ND	79.8	70-130	
Trichloroethene	4.03	0.50	0.50 ug/L	5.00	ND	80.6	70-130	
Trichlorofluoromethane	4.24	0.50	0.50 ug/L	5.00	ND	84.8	70-130	
Trichlorotrifluoroethane	5.27	0.40	0.50 ug/L	5.00	ND	105	70-130	
1,2,3-Trichloropropane	3.63	0.50	0.50 ug/L	5.00	ND	72.6	70-130	
1,2,4-Trimethylbenzene	3.89	0.50	0.50 ug/L	5.00	ND	77.8	70-130	
1,3,5-Trimethylbenzene	3.81	0.50	0.50 ug/L	5.00	ND	76.2	70-130	
Vinyl chloride	4.34	0.50	0.50 ug/L	5.00	ND	86.8	70-130	
m,p-Xylene	7.47	0.50	0.50 ug/L	10.0	ND	74.7	70-130	
o-Xylene	3.75	0.50	0.50 ug/L	5.00	ND	75.0	70-130	
Xylenes (total)	11.2	0.50	0.50 ug/L	15.0	ND	74.8	70-130	

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

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

Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Silicone Batch Number 2017083004

Reported:
02/15/18 14:22

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 AB83133 - VOAs in Water GCMS

Matrix Spike (AB83133-MS1) Source: 18A2481-01 Prepared: 02/05/18 Analyzed: 02/06/18 **QM-05**

Methyl tert-butyl ether	3.69	0.50	3.0	ug/L	5.00	ND	73.8	70-130			
Ethyl tert-butyl ether	4.12	0.40	0.50	ug/L	5.00	ND	82.4	70-130			
Tert-amyl methyl ether	3.50	0.30	0.50	ug/L	5.00	ND	70.0	70-130			
Surrogate: Bromofluorobenzene	26.5			ug/L	25.0		106	70-130			
Surrogate: Dibromofluoromethane	27.5			ug/L	25.0		110	70-130			
Surrogate: Toluene-d8	27.2			ug/L	25.0		109	70-130			

Matrix Spike (AB83133-MS2) Source: 18B0045-04 Prepared: 02/05/18 Analyzed: 02/06/18

Acetone	21.0	2.0	5.0	ug/L	20.0	ND	105	70-130			
Acrylonitrile	5.00	0.40	5.0	ug/L	5.00	ND	100	70-130			
Benzene	5.00	0.30	0.30	ug/L	5.00	ND	100	70-130			
Bromobenzene	4.76	0.50	0.50	ug/L	5.00	ND	95.2	70-130			
Bromochloromethane	5.13	0.40	0.50	ug/L	5.00	ND	103	70-130			
Bromodichloromethane	4.71	0.20	0.50	ug/L	5.00	ND	94.2	70-130			
Bromoform	3.72	0.30	0.50	ug/L	5.00	ND	74.4	70-130			
Bromomethane	5.24	0.40	0.50	ug/L	5.00	ND	105	70-130			
n-Butylbenzene	5.53	0.50	0.50	ug/L	5.00	ND	111	70-130			
sec-Butylbenzene	5.48	0.50	0.50	ug/L	5.00	ND	110	70-130			
tert-Butylbenzene	5.29	0.50	0.50	ug/L	5.00	ND	106	70-130			
Carbon disulfide	4.58	0.40	0.50	ug/L	5.00	ND	91.6	70-130			
Carbon tetrachloride	4.48	0.30	0.50	ug/L	5.00	ND	89.6	70-130			
Chlorobenzene	5.03	0.50	0.50	ug/L	5.00	ND	101	70-130			
Chloroethane	5.50	0.30	0.50	ug/L	5.00	ND	110	70-130			
Chloroform	4.96	0.30	0.50	ug/L	5.00	ND	99.2	70-130			
Chloromethane	4.45	0.40	0.50	ug/L	5.00	ND	89.0	70-130			
2-Chlorotoluene	4.94	0.50	0.50	ug/L	5.00	ND	98.8	70-130			
4-Chlorotoluene	4.85	0.50	0.50	ug/L	5.00	ND	97.0	70-130			
Dibromochloromethane	4.44	0.30	0.50	ug/L	5.00	ND	88.8	70-130			
1,2-Dibromo-3-chloropropane	4.48	0.50	0.50	ug/L	5.00	ND	89.6	70-130			
1,2-Dibromoethane (EDB)	4.79	0.50	0.50	ug/L	5.00	ND	95.8	70-130			
Dibromomethane	5.04	0.50	0.50	ug/L	5.00	ND	101	70-130			
1,2-Dichlorobenzene	4.87	0.50	0.50	ug/L	5.00	ND	97.4	70-130			
1,3-Dichlorobenzene	4.80	0.40	0.50	ug/L	5.00	ND	96.0	70-130			
trans-1,4-Dichloro-2-butene	2.03	0.30	5.0	ug/L	5.00	ND	40.6	70-130			QM-05, J
1,4-Dichlorobenzene	4.71	0.50	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- HCl
Project Number: Silicone Batch Number 2017083004

Reported:
02/15/18 14:22

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 AB83133 - VOAs in Water GCMS

Matrix Spike (AB83133-MS2)

Source: 18B0045-04

Prepared: 02/05/18 Analyzed: 02/06/18

Dichlorodifluoromethane	6.49	0.50	0.50	ug/L	5.00	ND	130	70-130			
1,1-Dichloroethane	5.48	0.40	0.50	ug/L	5.00	ND	110	70-130			
1,2-Dichloroethane	4.50	0.50	0.50	ug/L	5.00	ND	90.0	70-130			
1,1-Dichloroethene	5.57	0.30	0.30	ug/L	5.00	ND	111	70-130			
cis-1,2-Dichloroethene	5.38	0.40	0.50	ug/L	5.00	ND	108	70-130			
trans-1,2-Dichloroethene	5.56	0.40	0.50	ug/L	5.00	ND	111	70-130			
1,2-Dichloropropane	4.78	0.50	0.50	ug/L	5.00	ND	95.6	70-130			
1,3-Dichloropropane	5.02	0.50	0.50	ug/L	5.00	ND	100	70-130			
2,2-Dichloropropane	5.14	0.30	0.50	ug/L	5.00	ND	103	70-130			
1,1-Dichloropropene	5.32	0.50	0.50	ug/L	5.00	ND	106	70-130			
cis-1,3-Dichloropropene	4.08	0.30	0.50	ug/L	5.00	ND	81.6	70-130			
trans-1,3-Dichloropropene	4.09	0.30	0.50	ug/L	5.00	ND	81.8	70-130			
Ethylbenzene	5.12	0.50	0.50	ug/L	5.00	ND	102	70-130			
2-Hexanone	5.13	4.0	5.0	ug/L	5.00	ND	103	70-130			
Hexachlorobutadiene	5.82	0.40	0.50	ug/L	5.00	ND	116	70-130			
Isopropylbenzene	5.41	0.50	0.50	ug/L	5.00	ND	108	70-130			
p-Isopropyltoluene	5.29	0.50	0.50	ug/L	5.00	ND	106	70-130			
Methyl ethyl ketone	12.2	0.60	1.0	ug/L	10.0	1.25	110	70-130			
Methyl iodide	5.51	0.40	2.0	ug/L	5.00	ND	110	70-130			
Methyl isobutyl ketone	10.2	0.80	1.0	ug/L	10.0	ND	102	70-130			
Methylene chloride	4.96	0.40	0.50	ug/L	5.00	ND	99.2	70-130			
Naphthalene	4.79	0.50	0.50	ug/L	5.00	ND	95.8	70-130			
n-Propylbenzene	5.16	0.50	0.50	ug/L	5.00	ND	103	70-130			
Styrene	4.71	0.50	0.50	ug/L	5.00	ND	94.2	70-130			
1,1,1,2-Tetrachloroethane	4.07	0.40	0.50	ug/L	5.00	ND	81.4	70-130			
1,1,2,2-Tetrachloroethane	4.29	0.50	0.50	ug/L	5.00	ND	85.8	70-130			
Tetrachloroethene	5.50	0.50	0.50	ug/L	5.00	ND	110	70-130			
Toluene	5.15	0.30	0.50	ug/L	5.00	ND	103	70-130			
1,2,3-Trichlorobenzene	5.22	0.40	0.50	ug/L	5.00	ND	104	70-130			
1,2,4-Trichlorobenzene	5.12	0.40	0.50	ug/L	5.00	ND	102	70-130			
1,1,1-Trichloroethane	5.07	0.40	0.50	ug/L	5.00	ND	101	70-130			
1,1,2-Trichloroethane	5.13	0.50	0.50	ug/L	5.00	ND	103	70-130			
Trichloroethene	5.09	0.50	0.50	ug/L	5.00	ND	102	70-130			
Trichlorofluoromethane	5.55	0.50	0.50	ug/L	5.00	ND	111	70-130			

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Bay Area: 262 Rickenbacker Circle, Livermore, CA 94551 • Phone: (925) 828-6226 • Fax: (925) 828-6309

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

Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Silicone Batch Number 2017083004

Reported:
02/15/18 14:22

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 AB83133 - VOAs in Water GCMS

Matrix Spike (AB83133-MS2)

Source: 18B0045-04

Prepared: 02/05/18 Analyzed: 02/06/18

Trichlorotrifluoroethane	7.39	0.40	0.50	ug/L	5.00	0.670	134	70-130			QM-05
1,2,3-Trichloropropane	4.86	0.50	0.50	ug/L	5.00	ND	97.2	70-130			
1,2,4-Trimethylbenzene	5.13	0.50	0.50	ug/L	5.00	ND	103	70-130			
1,3,5-Trimethylbenzene	5.02	0.50	0.50	ug/L	5.00	ND	100	70-130			
Vinyl chloride	5.42	0.50	0.50	ug/L	5.00	ND	108	70-130			
m,p-Xylene	9.85	0.50	0.50	ug/L	10.0	ND	98.5	70-130			
o-Xylene	4.82	0.50	0.50	ug/L	5.00	ND	96.4	70-130			
Xylenes (total)	14.7	0.50	0.50	ug/L	15.0	ND	97.8	70-130			
Methyl tert-butyl ether	4.84	0.50	3.0	ug/L	5.00	ND	96.8	70-130			
Ethyl tert-butyl ether	5.33	0.40	0.50	ug/L	5.00	ND	107	70-130			
Tert-amyl methyl ether	4.59	0.30	0.50	ug/L	5.00	ND	91.8	70-130			
Surrogate: Bromofluorobenzene	26.7			ug/L	25.0		107	70-130			
Surrogate: Dibromofluoromethane	27.8			ug/L	25.0		111	70-130			
Surrogate: Toluene-d8	27.0			ug/L	25.0		108	70-130			

Reference (AB83133-SRM1)

Prepared: 02/05/18 Analyzed: 02/06/18

Bromodichloromethane	7.60	1.0	2.5	ug/L	9.40		80.9	80-120			
Bromoform	32.2	1.5	2.5	ug/L	39.0		82.6	80-120			
Chloroform	45.6	1.5	2.5	ug/L	44.9		101	80-120			
Dibromochloromethane	10.6	1.5	2.5	ug/L	12.0		88.8	80-120			
Trihalomethanes (total)	96.0	1.5	2.5	ug/L	105		91.4	80.2-120			
Surrogate: Bromofluorobenzene	25.7			ug/L	25.0		103	70-130			
Surrogate: Dibromofluoromethane	25.5			ug/L	25.0		102	70-130			
Surrogate: Toluene-d8	25.0			ug/L	25.0		99.8	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: Silicone Batch Number 2017083004

Reported:
02/15/18 14:22

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 AB83119 - VOAs in Water GCMS

Blank (AB83119-BLK1)

Prepared: 02/05/18 Analyzed: 02/06/18

Acetone	ND	0.90	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	0.30	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	0.50	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

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e-mail: clientservices@alpha-labs.com

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

Bay Area: 262 Rickenbacker Circle, Livermore, CA 94551 • Phone: (925) 828-6226 • Fax: (925) 828-6309

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

Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Silicone Batch Number 2017083004

Reported:
02/15/18 14:22

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 AB83119 - VOAs in Water GCMS

Blank (AB83119-BLK1)

Prepared: 02/05/18 Analyzed: 02/06/18

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	0.40	0.50	ug/L							U
1,3-Dichloropropane	ND	0.40	0.50	ug/L							U
2,2-Dichloropropane	ND	0.50	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	0.50	1.0	ug/L							U
Di-isopropyl ether	ND	0.40	0.50	ug/L							U
Ethyl methacrylate	ND	0.30	10	ug/L							U
Ethylbenzene	ND	0.40	0.50	ug/L							U
Ethanol	ND	50	50	ug/L							U
Hexachloroethane	ND	0.40	1.0	ug/L							U
Ethyl tert-butyl ether	ND	0.40	0.50	ug/L							U
Hexachlorobutadiene	ND	0.50	0.50	ug/L							U
2-Hexanone	ND	4.0	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

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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: Silicone Batch Number 2017083004

Reported:
02/15/18 14:22

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 AB83119 - VOAs in Water GCMS

Blank (AB83119-BLK1)

Prepared: 02/05/18 Analyzed: 02/06/18

Tetrachloroethene	ND	0.40	0.50	ug/L							U
Tetrahydrofuran	ND	4.0	5.0	ug/L							U
Toluene	ND	0.30	0.30	ug/L							U
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	0.50	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	24.6			ug/L	25.0		98.3	81-135			
Surrogate: Dibromofluoromethane	24.0			ug/L	25.0		96.1	46-130			
Surrogate: Toluene-d8	24.8			ug/L	25.0		99.1	59-132			

LCS (AB83119-BS1)

Prepared: 02/05/18 Analyzed: 02/06/18

Acetone	72.5	0.90	5.0	ug/L	80.0		90.6	48-124			
Acetonitrile	1990	50	100	ug/L	2000		99.4	70-130			
Allyl chloride	20.7	0.40	10	ug/L	20.0		104	70-130			
Acrylonitrile	20.9	0.40	5.0	ug/L	20.0		105	70-130			
Benzene	20.1	0.30	0.30	ug/L	20.0		101	82-122			
Bromobenzene	21.1	0.40	0.50	ug/L	20.0		106	83-122			
Bromochloromethane	19.4	0.40	0.50	ug/L	20.0		96.8	83-124			
Bromodichloromethane	20.3	0.40	0.50	ug/L	20.0		102	86-135			
Bromoform	21.3	0.30	0.50	ug/L	20.0		107	76-144			
Bromomethane	18.8	0.40	0.50	ug/L	20.0		94.1	69-145			
n-Butylbenzene	18.4	0.40	0.50	ug/L	20.0		92.2	79-132			
sec-Butylbenzene	21.6	0.40	0.50	ug/L	20.0		108	86-132			

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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: Silicone Batch Number 2017083004

Reported:
02/15/18 14:22

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 AB83119 - VOAs in Water GCMS

LCS (AB83119-BS1)

Prepared: 02/05/18 Analyzed: 02/06/18

tert-Butylbenzene	22.2	0.30	0.50	ug/L	20.0	111	82-126
Carbon disulfide	19.3	0.40	5.0	ug/L	20.0	96.4	70-130
Carbon tetrachloride	19.3	0.40	0.50	ug/L	20.0	96.6	77-134
Chlorobenzene	19.6	0.30	0.50	ug/L	20.0	98.0	84-119
Chloroethane	18.5	0.40	0.50	ug/L	20.0	92.5	68-133
Chloroform	19.3	0.40	0.50	ug/L	20.0	96.6	81-122
Chloromethane	21.1	0.40	0.50	ug/L	20.0	105	63-129
Chloroprene	20.7	0.40	1.0	ug/L	20.0	103	70-130
2-Chlorotoluene	21.0	0.40	0.50	ug/L	20.0	105	79-132
4-Chlorotoluene	21.2	0.30	0.50	ug/L	20.0	106	80-122
Dibromochloromethane	20.8	0.40	0.50	ug/L	20.0	104	83-135
1,2-Dibromo-3-chloropropane	18.6	0.60	2.0	ug/L	20.0	93.2	73-128
1,2-Dibromoethane (EDB)	21.4	0.40	0.50	ug/L	20.0	107	80-120
Dibromomethane	20.4	0.40	0.50	ug/L	20.0	102	82-124
1,2-Dichlorobenzene	19.9	0.40	0.50	ug/L	20.0	99.6	84-121
1,3-Dichlorobenzene	20.8	0.40	0.50	ug/L	20.0	104	80-120
1,4-Dichlorobenzene	19.7	0.30	0.50	ug/L	20.0	98.5	84-120
trans-1,4-Dichloro-2-butene	22.9	0.50	5.0	ug/L	20.0	115	90-145
Dichlorodifluoromethane	21.0	0.40	0.50	ug/L	20.0	105	52-142
1,1-Dichloroethane	19.2	0.50	0.50	ug/L	20.0	96.0	81-126
1,2-Dichloroethane	18.8	0.40	0.50	ug/L	20.0	94.2	77-117
1,1-Dichloroethene	18.6	0.30	0.50	ug/L	20.0	93.0	71-151
cis-1,2-Dichloroethene	20.3	0.40	0.50	ug/L	20.0	102	84-131
trans-1,2-Dichloroethene	19.3	0.40	0.50	ug/L	20.0	96.6	79-128
1,2-Dichloropropane	19.2	0.40	0.50	ug/L	20.0	96.0	82-125
1,3-Dichloropropane	20.2	0.40	0.50	ug/L	20.0	101	83-120
2,2-Dichloropropane	14.4	0.50	0.50	ug/L	20.0	71.9	70-130
1,1-Dichloropropene	19.5	0.40	0.50	ug/L	20.0	97.5	85-130
cis-1,3-Dichloropropene	16.9	0.40	0.50	ug/L	20.0	84.7	83-128
trans-1,3-Dichloropropene	16.6	0.40	0.50	ug/L	20.0	83.2	67-129
Diethyl ether	19.8	0.50	1.0	ug/L	20.0	98.8	70-130
Di-isopropyl ether	20.7	0.40	0.50	ug/L	20.0	103	83-132
Ethanol	1140	50	50	ug/L	980	116	50-150
Ethyl methacrylate	19.4	0.30	10	ug/L	20.0	97.0	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: Silicone Batch Number 2017083004

Reported:
02/15/18 14:22

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 AB83119 - VOAs in Water GCMS

LCS (AB83119-BS1)

Prepared: 02/05/18 Analyzed: 02/06/18

Ethylbenzene	20.8	0.40	0.50	ug/L	20.0		104	84-124			
Hexachloroethane	17.0	0.40	1.0	ug/L	20.0		85.0	70-130			
Hexachlorobutadiene	19.0	0.50	0.50	ug/L	20.0		95.2	75-135			
Ethyl tert-butyl ether	16.9	0.40	0.50	ug/L	20.0		84.6	74-127			
2-Hexanone	20.0	4.0	5.0	ug/L	20.0		100	70-130			
Isobutanol	2020	40	100	ug/L	2000		101	70-130			
Isopropylbenzene	21.6	0.40	0.50	ug/L	20.0		108	75-116			
p-Isopropyltoluene	21.8	0.40	0.50	ug/L	20.0		109	78-124			
Methacrylonitrile	22.1	0.40	1.0	ug/L	20.0		111	70-130			
Methylene chloride	19.9	0.50	0.50	ug/L	20.0		99.7	72-132			
Methyl ethyl ketone	39.6	0.70	1.0	ug/L	40.0		99.0	58-157			
Methyl iodide	19.7	0.40	2.0	ug/L	20.0		98.3	56-167			
Methyl methacrylate	19.3	0.40	1.0	ug/L	20.0		96.3	70-130			
Methyl isobutyl ketone	40.7	0.60	1.0	ug/L	40.0		102	70-130			
Naphthalene	18.7	0.50	0.50	ug/L	20.0		93.7	84-134			
Propionitrile	1040	20	50	ug/L	1000		104	70-130			
Methyl tert-butyl ether	16.9	0.50	0.50	ug/L	20.0		84.6	84-119			
n-Propylbenzene	21.1	0.40	0.50	ug/L	20.0		105	75-127			
Styrene	20.4	0.40	0.50	ug/L	20.0		102	80-125			
Tert-amyl methyl ether	17.1	0.40	0.50	ug/L	20.0		85.5	74-120			
Tert-butyl alcohol	417	6.0	10	ug/L	400		104	66-147			
1,1,1,2-Tetrachloroethane	20.4	0.40	0.50	ug/L	20.0		102	80-132			
1,1,2,2-Tetrachloroethane	19.7	0.30	0.50	ug/L	20.0		98.6	84-115			
Tetrachloroethene	20.0	0.40	0.50	ug/L	20.0		99.8	56-156			
Tetrahydrofuran	23.4	4.0	5.0	ug/L	20.0		117	70-130			
Toluene	20.9	0.30	0.30	ug/L	20.0		104	76-137			
1,2,3-Trichlorobenzene	19.1	0.50	0.50	ug/L	20.0		95.6	85-133			
1,2,4-Trichlorobenzene	21.4	0.20	0.50	ug/L	20.0		107	84-126			
1,1,1-Trichloroethane	19.4	0.40	0.50	ug/L	20.0		96.9	70-130			
1,1,2-Trichloroethane	20.3	0.40	0.50	ug/L	20.0		102	83-122			
Trichloroethene	20.4	0.40	0.50	ug/L	20.0		102	84-123			
Trichlorofluoromethane	19.6	0.50	0.50	ug/L	20.0		98.2	74-130			
1,2,3-Trichloropropane	21.2	0.40	0.50	ug/L	20.0		106	78-122			
Trichlorotrifluoroethane	19.4	0.50	0.50	ug/L	20.0		96.9	82-125			
1,2,4-Trimethylbenzene	20.4	0.40	0.50	ug/L	20.0		102	85-127			

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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: Silicone Batch Number 2017083004

Reported:
02/15/18 14:22

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 AB83119 - VOAs in Water GCMS

LCS (AB83119-BS1)

Prepared: 02/05/18 Analyzed: 02/06/18

1,3,5-Trimethylbenzene	22.2	0.30	0.50	ug/L	20.0	111	80-125				
Vinyl acetate	36.9	0.80	1.0	ug/L	40.0	92.3	60-140				
Vinyl chloride	21.1	0.40	0.50	ug/L	20.0	106	70-130				
m,p-Xylene	43.3	0.50	0.50	ug/L	40.0	108	81-124				
o-Xylene	20.9	0.40	0.50	ug/L	20.0	105	80-126				
Xylenes (total)	64.2	0.50	0.50	ug/L	60.0	107	81-126				
Surrogate: Bromofluorobenzene	25.9			ug/L	25.0	104	81-135				
Surrogate: Dibromofluoromethane	24.2			ug/L	25.0	96.6	46-130				
Surrogate: Toluene-d8	24.7			ug/L	25.0	98.7	59-132				

LCS Dup (AB83119-BSD1)

Prepared: 02/05/18 Analyzed: 02/06/18

Acetone	75.5	0.90	5.0	ug/L	80.0	94.4	48-124	4.12	25		
Acetonitrile	1980	50	100	ug/L	2000	99.1	70-130	0.218	25		
Acrylonitrile	21.5	0.40	5.0	ug/L	20.0	108	70-130	2.78	25		
Allyl chloride	22.0	0.40	10	ug/L	20.0	110	70-130	5.99	25		
Benzene	20.1	0.30	0.30	ug/L	20.0	100	82-122	0.299	25		
Bromobenzene	20.4	0.40	0.50	ug/L	20.0	102	83-122	3.47	25		
Bromochloromethane	19.5	0.40	0.50	ug/L	20.0	97.6	83-124	0.823	25		
Bromodichloromethane	20.7	0.40	0.50	ug/L	20.0	103	86-135	1.71	25		
Bromoform	22.0	0.30	0.50	ug/L	20.0	110	76-144	3.05	25		
Bromomethane	19.0	0.40	0.50	ug/L	20.0	95.2	69-145	1.11	25		
n-Butylbenzene	17.6	0.40	0.50	ug/L	20.0	88.2	79-132	4.43	25		
sec-Butylbenzene	20.7	0.40	0.50	ug/L	20.0	104	86-132	4.02	25		
tert-Butylbenzene	21.7	0.30	0.50	ug/L	20.0	109	82-126	2.46	25		
Carbon disulfide	19.2	0.40	5.0	ug/L	20.0	95.8	70-130	0.676	30		
Carbon tetrachloride	20.2	0.40	0.50	ug/L	20.0	101	77-134	4.26	25		
Chlorobenzene	19.6	0.30	0.50	ug/L	20.0	98.2	84-119	0.153	25		
Chloroethane	19.2	0.40	0.50	ug/L	20.0	96.2	68-133	3.97	25		
Chloroform	19.8	0.40	0.50	ug/L	20.0	99.0	81-122	2.40	25		
Chloromethane	20.6	0.40	0.50	ug/L	20.0	103	63-129	2.30	25		
Chloroprene	21.0	0.40	1.0	ug/L	20.0	105	70-130	1.58	25		
2-Chlorotoluene	20.5	0.40	0.50	ug/L	20.0	103	79-132	2.12	25		
4-Chlorotoluene	20.4	0.30	0.50	ug/L	20.0	102	80-122	3.70	25		
Dibromochloromethane	20.6	0.40	0.50	ug/L	20.0	103	83-135	0.965	25		
1,2-Dibromo-3-chloropropane	20.8	0.60	2.0	ug/L	20.0	104	73-128	10.8	25		

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e-mail: clientservices@alpha-labs.com

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

Bay Area: 262 Rickenbacker Circle, Livermore, CA 94551 • Phone: (925) 828-6226 • Fax: (925) 828-6309

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

Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Silicone Batch Number 2017083004

Reported:
02/15/18 14:22

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 AB83119 - VOAs in Water GCMS

LCS Dup (AB83119-BSD1)

Prepared: 02/05/18 Analyzed: 02/06/18

1,2-Dibromoethane (EDB)	20.9	0.40	0.50	ug/L	20.0	104	80-120	2.41	25	
Dibromomethane	20.2	0.40	0.50	ug/L	20.0	101	82-124	0.690	25	
1,2-Dichlorobenzene	19.8	0.40	0.50	ug/L	20.0	99.1	84-121	0.553	25	
1,3-Dichlorobenzene	20.0	0.40	0.50	ug/L	20.0	99.8	80-120	3.93	25	
1,4-Dichlorobenzene	19.1	0.30	0.50	ug/L	20.0	95.7	84-120	2.88	25	
trans-1,4-Dichloro-2-butene	22.7	0.50	5.0	ug/L	20.0	114	90-145	0.789	30	
Dichlorodifluoromethane	21.1	0.40	0.50	ug/L	20.0	105	52-142	0.333	25	
1,1-Dichloroethane	19.8	0.50	0.50	ug/L	20.0	98.8	81-126	2.88	25	
1,2-Dichloroethane	18.5	0.40	0.50	ug/L	20.0	92.4	77-117	2.04	25	
1,1-Dichloroethene	18.5	0.30	0.50	ug/L	20.0	92.4	71-151	0.701	25	
cis-1,2-Dichloroethene	20.0	0.40	0.50	ug/L	20.0	99.8	84-131	1.84	25	
trans-1,2-Dichloroethene	19.3	0.40	0.50	ug/L	20.0	96.6	79-128	0.00	25	
1,2-Dichloropropane	20.0	0.40	0.50	ug/L	20.0	99.9	82-125	4.03	25	
1,3-Dichloropropane	19.7	0.40	0.50	ug/L	20.0	98.5	83-120	2.51	25	
2,2-Dichloropropane	15.6	0.50	0.50	ug/L	20.0	78.2	70-130	8.39	25	
1,1-Dichloropropene	19.6	0.40	0.50	ug/L	20.0	98.2	85-130	0.766	25	
cis-1,3-Dichloropropene	17.3	0.40	0.50	ug/L	20.0	86.7	83-128	2.33	25	
trans-1,3-Dichloropropene	17.4	0.40	0.50	ug/L	20.0	87.2	67-129	4.64	25	
Diethyl ether	20.3	0.50	1.0	ug/L	20.0	102	70-130	2.79	25	
Di-isopropyl ether	21.0	0.40	0.50	ug/L	20.0	105	83-132	1.82	25	
Ethyl methacrylate	19.3	0.30	10	ug/L	20.0	96.6	70-130	0.465	25	
Ethanol	1070	50	50	ug/L	980	109	50-150	6.58	25	
Ethylbenzene	20.6	0.40	0.50	ug/L	20.0	103	84-124	1.01	25	
Ethyl tert-butyl ether	18.0	0.40	0.50	ug/L	20.0	90.2	74-127	6.40	25	
Hexachlorobutadiene	18.2	0.50	0.50	ug/L	20.0	91.1	75-135	4.45	25	
Hexachloroethane	17.4	0.40	1.0	ug/L	20.0	86.9	70-130	2.27	25	
2-Hexanone	20.4	4.0	5.0	ug/L	20.0	102	70-130	1.49	30	
Isobutanol	2060	40	100	ug/L	2000	103	70-130	1.71	25	
Isopropylbenzene	21.0	0.40	0.50	ug/L	20.0	105	75-116	2.63	25	
p-Isopropyltoluene	20.8	0.40	0.50	ug/L	20.0	104	78-124	4.37	25	
Methacrylonitrile	22.0	0.40	1.0	ug/L	20.0	110	70-130	0.544	25	
Methylene chloride	19.9	0.50	0.50	ug/L	20.0	99.7	72-132	0.00	25	
Methyl ethyl ketone	39.0	0.70	1.0	ug/L	40.0	97.4	58-157	1.58	25	
Methyl iodide	19.3	0.40	2.0	ug/L	20.0	96.6	56-167	1.80	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: Silicone Batch Number 2017083004

Reported:
02/15/18 14:22

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 AB83119 - VOAs in Water GCMS

LCS Dup (AB83119-BSD1)

Prepared: 02/05/18 Analyzed: 02/06/18

Methyl isobutyl ketone	41.2	0.60	1.0	ug/L	40.0	103	70-130	1.22	25	
Methyl methacrylate	19.6	0.40	1.0	ug/L	20.0	98.2	70-130	2.00	25	
Propionitrile	1040	20	50	ug/L	1000	104	70-130	0.444	25	
Methyl tert-butyl ether	18.1	0.50	0.50	ug/L	20.0	90.4	84-119	6.57	25	
Naphthalene	20.1	0.50	0.50	ug/L	20.0	100	84-134	6.80	25	
n-Propylbenzene	20.8	0.40	0.50	ug/L	20.0	104	75-127	1.43	25	
Styrene	20.8	0.40	0.50	ug/L	20.0	104	80-125	2.28	25	
Tert-amyl methyl ether	17.7	0.40	0.50	ug/L	20.0	88.6	74-120	3.62	25	
Tert-butyl alcohol	453	6.0	10	ug/L	400	113	66-147	8.22	25	
1,1,1,2-Tetrachloroethane	20.8	0.40	0.50	ug/L	20.0	104	80-132	2.08	25	
1,1,2,2-Tetrachloroethane	20.0	0.30	0.50	ug/L	20.0	100	84-115	1.41	25	
Tetrachloroethene	19.8	0.40	0.50	ug/L	20.0	98.8	56-156	1.06	25	
Tetrahydrofuran	21.6	4.0	5.0	ug/L	20.0	108	70-130	8.40	25	
Toluene	20.6	0.30	0.30	ug/L	20.0	103	76-137	1.25	25	
1,2,4-Trichlorobenzene	21.4	0.20	0.50	ug/L	20.0	107	84-126	0.327	25	
1,2,3-Trichlorobenzene	19.8	0.50	0.50	ug/L	20.0	99.0	85-133	3.50	25	
1,1,1-Trichloroethane	20.2	0.40	0.50	ug/L	20.0	101	70-130	4.29	25	
1,1,2-Trichloroethane	20.3	0.40	0.50	ug/L	20.0	102	83-122	0.00	25	
Trichloroethene	20.1	0.40	0.50	ug/L	20.0	101	84-123	1.09	25	
Trichlorofluoromethane	19.6	0.50	0.50	ug/L	20.0	98.0	74-130	0.204	25	
1,2,3-Trichloropropane	20.8	0.40	0.50	ug/L	20.0	104	78-122	2.14	25	
Trichlorotrifluoroethane	19.0	0.50	0.50	ug/L	20.0	95.1	82-125	1.87	25	
1,2,4-Trimethylbenzene	19.5	0.40	0.50	ug/L	20.0	97.6	85-127	4.61	25	
1,3,5-Trimethylbenzene	21.3	0.30	0.50	ug/L	20.0	106	80-125	4.37	25	
Vinyl acetate	44.8	0.80	1.0	ug/L	40.0	112	60-140	19.4	25	
Vinyl chloride	20.7	0.40	0.50	ug/L	20.0	104	70-130	1.91	25	
m,p-Xylene	42.4	0.50	0.50	ug/L	40.0	106	81-124	2.10	25	
o-Xylene	20.3	0.40	0.50	ug/L	20.0	102	80-126	2.96	25	
Xylenes (total)	62.7	0.50	0.50	ug/L	60.0	105	81-126	2.38	25	
Surrogate: Bromofluorobenzene	25.9			ug/L	25.0	104	81-135			
Surrogate: Dibromofluoromethane	24.0			ug/L	25.0	96.2	46-130			
Surrogate: Toluene-d8	25.0			ug/L	25.0	99.9	59-132			

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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: Silicone Batch Number 2017083004

Reported:
02/15/18 14:22

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 AB83119 - VOAs in Water GCMS

Matrix Spike (AB83119-MS1)

Source: 18A2964-01

Prepared: 02/05/18 Analyzed: 02/06/18

Acetone	51.6	0.90	5.0	ug/L	80.0	ND	64.5	32-164			
Acetonitrile	1900	50	100	ug/L	2000	ND	94.8	70-130			
Allyl chloride	23.2	0.40	10	ug/L	20.0	ND	116	70-130			
Acrylonitrile	19.9	0.40	5.0	ug/L	20.0	ND	99.5	70-130			
Benzene	21.6	0.30	0.30	ug/L	20.0	ND	108	58-139			
Bromobenzene	21.1	0.40	0.50	ug/L	20.0	ND	106	63-143			
Bromochloromethane	19.8	0.40	0.50	ug/L	20.0	ND	99.0	60-141			
Bromodichloromethane	21.5	0.40	0.50	ug/L	20.0	ND	108	62-140			
Bromoform	20.9	0.30	0.50	ug/L	20.0	ND	105	47-165			
Bromomethane	20.2	0.40	0.50	ug/L	20.0	ND	101	30-163			
n-Butylbenzene	19.3	0.40	0.50	ug/L	20.0	ND	96.3	57-147			
sec-Butylbenzene	22.9	0.40	0.50	ug/L	20.0	ND	114	64-155			
tert-Butylbenzene	23.4	0.30	0.50	ug/L	20.0	ND	117	57-150			
Carbon disulfide	22.0	0.40	5.0	ug/L	20.0	ND	110	70-130			
Carbon tetrachloride	22.4	0.40	0.50	ug/L	20.0	ND	112	65-153			
Chlorobenzene	21.0	0.30	0.50	ug/L	20.0	ND	105	58-137			
Chloroethane	23.9	0.40	0.50	ug/L	20.0	ND	120	59-141			
Chloroform	21.6	0.40	0.50	ug/L	20.0	ND	108	36-151			
Chloromethane	23.6	0.40	0.50	ug/L	20.0	ND	118	69-149			
Chloroprene	23.0	0.40	1.0	ug/L	20.0	ND	115	70-130			
2-Chlorotoluene	21.7	0.40	0.50	ug/L	20.0	ND	108	54-150			
4-Chlorotoluene	21.8	0.30	0.50	ug/L	20.0	ND	109	59-140			
Dibromochloromethane	20.8	0.40	0.50	ug/L	20.0	ND	104	54-157			
1,2-Dibromo-3-chloropropane	17.1	0.60	2.0	ug/L	20.0	ND	85.4	54-137			
1,2-Dibromoethane (EDB)	20.8	0.40	0.50	ug/L	20.0	ND	104	40-147			
Dibromomethane	20.8	0.40	0.50	ug/L	20.0	ND	104	59-139			
1,2-Dichlorobenzene	19.9	0.40	0.50	ug/L	20.0	ND	99.4	39-145			
1,3-Dichlorobenzene	21.5	0.40	0.50	ug/L	20.0	ND	107	54-137			
1,4-Dichlorobenzene	19.6	0.30	0.50	ug/L	20.0	ND	98.1	41-142			
trans-1,4-Dichloro-2-butene	23.6	0.50	5.0	ug/L	20.0	ND	118	90-145			
Dichlorodifluoromethane	20.7	0.40	0.50	ug/L	20.0	ND	103	39-162			
1,1-Dichloroethane	20.7	0.50	0.50	ug/L	20.0	ND	103	39-146			
1,2-Dichloroethane	19.4	0.40	0.50	ug/L	20.0	ND	96.8	58-133			
1,1-Dichloroethene	20.8	0.30	0.50	ug/L	20.0	ND	104	70-154			

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Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Silicone Batch Number 2017083004

Reported:
02/15/18 14:22

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 AB83119 - VOAs in Water GCMS

Matrix Spike (AB83119-MS1)

Source: 18A2964-01

Prepared: 02/05/18 Analyzed: 02/06/18

cis-1,2-Dichloroethene	21.2	0.40	0.50	ug/L	20.0	ND	106	66-141			
trans-1,2-Dichloroethene	21.3	0.40	0.50	ug/L	20.0	ND	107	59-151			
1,2-Dichloropropane	20.8	0.40	0.50	ug/L	20.0	ND	104	41-142			
1,3-Dichloropropane	20.0	0.40	0.50	ug/L	20.0	ND	99.8	62-139			
2,2-Dichloropropane	22.3	0.50	0.50	ug/L	20.0	ND	111	40-167			
1,1-Dichloropropene	21.8	0.40	0.50	ug/L	20.0	ND	109	58-148			
cis-1,3-Dichloropropene	18.0	0.40	0.50	ug/L	20.0	ND	90.1	50-140			
trans-1,3-Dichloropropene	17.4	0.40	0.50	ug/L	20.0	ND	87.0	40-144			
Diethyl ether	19.5	0.50	1.0	ug/L	20.0	ND	97.4	70-130			
Di-isopropyl ether	21.1	0.40	0.50	ug/L	20.0	ND	105	49-143			
Ethyl methacrylate	18.2	0.30	10	ug/L	20.0	ND	91.2	70-130			
Ethanol	1290	50	50	ug/L	980	ND	132	50-150			
Ethylbenzene	22.2	0.40	0.50	ug/L	20.0	ND	111	59-147			
Hexachloroethane	18.6	0.40	1.0	ug/L	20.0	ND	92.8	70-130			
Ethyl tert-butyl ether	16.9	0.40	0.50	ug/L	20.0	ND	84.4	44-143			
Hexachlorobutadiene	18.7	0.50	0.50	ug/L	20.0	ND	93.6	56-149			
2-Hexanone	17.6	4.0	5.0	ug/L	20.0	ND	88.0	70-130			
Isobutanol	1760	40	100	ug/L	2000	ND	88.0	70-130			
Isopropylbenzene	22.8	0.40	0.50	ug/L	20.0	ND	114	56-134			
p-Isopropyltoluene	22.9	0.40	0.50	ug/L	20.0	ND	115	54-148			
Methylene chloride	21.2	0.50	0.50	ug/L	20.0	ND	106	43-143			
Methacrylonitrile	21.4	0.40	1.0	ug/L	20.0	ND	107	70-130			
Methyl ethyl ketone	39.9	0.70	1.0	ug/L	40.0	ND	99.8	62-126			
Methyl iodide	20.5	0.40	2.0	ug/L	20.0	ND	103	70-130			
Methyl methacrylate	18.3	0.40	1.0	ug/L	20.0	ND	91.7	70-130			
Methyl isobutyl ketone	38.3	0.60	1.0	ug/L	40.0	ND	95.8	66-127			
Naphthalene	15.2	0.50	0.50	ug/L	20.0	ND	75.8	52-157			
Propionitrile	976	20	50	ug/L	1000	ND	97.6	70-130			
Methyl tert-butyl ether	15.9	0.50	0.50	ug/L	20.0	ND	79.3	55-144			
n-Propylbenzene	23.2	0.40	0.50	ug/L	20.0	ND	116	55-145			
Styrene	22.1	0.40	0.50	ug/L	20.0	ND	111	51-157			
Tert-amyl methyl ether	16.6	0.40	0.50	ug/L	20.0	ND	83.2	41-136			
Tert-butyl alcohol	359	6.0	10	ug/L	400	ND	89.7	38-175			
1,1,1,2-Tetrachloroethane	21.5	0.40	0.50	ug/L	20.0	ND	108	58-146			
1,1,2,2-Tetrachloroethane	19.3	0.30	0.50	ug/L	20.0	ND	96.7	73-127			

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Sample Traps, LLC
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Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Silicone Batch Number 2017083004

Reported:
02/15/18 14:22

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 AB83119 - VOAs in Water GCMS

Matrix Spike (AB83119-MS1)

Source: 18A2964-01

Prepared: 02/05/18 Analyzed: 02/06/18

Tetrachloroethene	21.9	0.40	0.50	ug/L	20.0	ND	109	49-148			
Tetrahydrofuran	21.6	4.0	5.0	ug/L	20.0	ND	108	70-130			
Toluene	22.5	0.30	0.30	ug/L	20.0	ND	112	59-147			
1,2,3-Trichlorobenzene	15.9	0.50	0.50	ug/L	20.0	ND	79.6	50-161			
1,2,4-Trichlorobenzene	19.2	0.20	0.50	ug/L	20.0	ND	95.8	50-150			
1,1,1-Trichloroethane	21.6	0.40	0.50	ug/L	20.0	ND	108	38-164			
1,1,2-Trichloroethane	20.5	0.40	0.50	ug/L	20.0	ND	103	46-136			
Trichloroethene	21.6	0.40	0.50	ug/L	20.0	ND	108	58-140			
Trichlorofluoromethane	21.7	0.50	0.50	ug/L	20.0	ND	108	56-144			
1,2,3-Trichloropropane	20.0	0.40	0.50	ug/L	20.0	ND	100	61-139			
Trichlorotrifluoroethane	22.5	0.50	0.50	ug/L	20.0	ND	112	59-139			
1,2,4-Trimethylbenzene	20.8	0.40	0.50	ug/L	20.0	ND	104	58-152			
1,3,5-Trimethylbenzene	23.0	0.30	0.50	ug/L	20.0	ND	115	58-148			
Vinyl acetate	42.6	0.80	1.0	ug/L	40.0	ND	107	70-130			
Vinyl chloride	23.1	0.40	0.50	ug/L	20.0	ND	115	53-160			
m,p-Xylene	45.2	0.50	0.50	ug/L	40.0	ND	113	53-147			
o-Xylene	21.7	0.40	0.50	ug/L	20.0	ND	109	55-148			
Xylenes (total)	66.9	0.50	0.50	ug/L	60.0	ND	111	49-153			
Surrogate: Bromofluorobenzene	25.6			ug/L	25.0		102	81-135			
Surrogate: Dibromofluoromethane	23.8			ug/L	25.0		95.4	46-130			
Surrogate: Toluene-d8	24.6			ug/L	25.0		98.5	59-132			

Matrix Spike (AB83119-MS2)

Source: 18A2970-01

Prepared: 02/05/18 Analyzed: 02/06/18

Acetone	57.5	0.90	5.0	ug/L	80.0	ND	71.9	32-164			
Acetonitrile	1840	50	100	ug/L	2000	ND	92.2	70-130			
Acrylonitrile	19.3	0.40	5.0	ug/L	20.0	ND	96.5	70-130			
Allyl chloride	23.0	0.40	10	ug/L	20.0	ND	115	70-130			
Benzene	21.2	0.30	0.30	ug/L	20.0	ND	106	58-139			
Bromobenzene	21.6	0.40	0.50	ug/L	20.0	ND	108	63-143			
Bromochloromethane	19.8	0.40	0.50	ug/L	20.0	ND	99.0	60-141			
Bromodichloromethane	20.7	0.40	0.50	ug/L	20.0	ND	103	62-140			
Bromoform	22.0	0.30	0.50	ug/L	20.0	ND	110	47-165			
Bromomethane	19.8	0.40	0.50	ug/L	20.0	ND	99.2	30-163			
n-Butylbenzene	19.6	0.40	0.50	ug/L	20.0	ND	97.8	57-147			
sec-Butylbenzene	23.1	0.40	0.50	ug/L	20.0	ND	115	64-155			

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

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

Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Silicone Batch Number 2017083004

Reported:
02/15/18 14:22

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 AB83119 - VOAs in Water GCMS

Matrix Spike (AB83119-MS2)

Source: 18A2970-01

Prepared: 02/05/18 Analyzed: 02/06/18

tert-Butylbenzene	24.0	0.30	0.50	ug/L	20.0	ND	120	57-150			
Carbon disulfide	21.1	0.40	5.0	ug/L	20.0	ND	106	70-130			
Carbon tetrachloride	22.2	0.40	0.50	ug/L	20.0	ND	111	65-153			
Chlorobenzene	21.1	0.30	0.50	ug/L	20.0	ND	105	58-137			
Chloroethane	23.9	0.40	0.50	ug/L	20.0	ND	119	59-141			
Chloroform	20.9	0.40	0.50	ug/L	20.0	ND	105	36-151			
Chloroprene	21.9	0.40	1.0	ug/L	20.0	ND	110	70-130			
Chloromethane	22.4	0.40	0.50	ug/L	20.0	ND	112	69-149			
2-Chlorotoluene	22.1	0.40	0.50	ug/L	20.0	ND	110	54-150			
4-Chlorotoluene	22.0	0.30	0.50	ug/L	20.0	ND	110	59-140			
Dibromochloromethane	20.8	0.40	0.50	ug/L	20.0	ND	104	54-157			
1,2-Dibromo-3-chloropropane	16.8	0.60	2.0	ug/L	20.0	ND	84.0	54-137			
1,2-Dibromoethane (EDB)	21.1	0.40	0.50	ug/L	20.0	ND	106	40-147			
Dibromomethane	19.7	0.40	0.50	ug/L	20.0	ND	98.6	59-139			
1,2-Dichlorobenzene	19.3	0.40	0.50	ug/L	20.0	ND	96.5	39-145			
1,3-Dichlorobenzene	21.3	0.40	0.50	ug/L	20.0	ND	106	54-137			
1,4-Dichlorobenzene	19.4	0.30	0.50	ug/L	20.0	ND	97.1	41-142			
trans-1,4-Dichloro-2-butene	24.5	0.50	5.0	ug/L	20.0	ND	123	90-145			
Dichlorodifluoromethane	24.3	0.40	0.50	ug/L	20.0	ND	122	39-162			
1,1-Dichloroethane	20.1	0.50	0.50	ug/L	20.0	ND	101	39-146			
1,2-Dichloroethane	18.7	0.40	0.50	ug/L	20.0	ND	93.6	58-133			
1,1-Dichloroethene	20.4	0.30	0.50	ug/L	20.0	ND	102	70-154			
cis-1,2-Dichloroethene	20.4	0.40	0.50	ug/L	20.0	ND	102	66-141			
trans-1,2-Dichloroethene	20.4	0.40	0.50	ug/L	20.0	ND	102	59-151			
1,2-Dichloropropane	20.6	0.40	0.50	ug/L	20.0	ND	103	41-142			
1,3-Dichloropropane	20.2	0.40	0.50	ug/L	20.0	ND	101	62-139			
2,2-Dichloropropane	24.0	0.50	0.50	ug/L	20.0	ND	120	40-167			
1,1-Dichloropropene	21.0	0.40	0.50	ug/L	20.0	ND	105	58-148			
cis-1,3-Dichloropropene	17.7	0.40	0.50	ug/L	20.0	ND	88.4	50-140			
trans-1,3-Dichloropropene	18.5	0.40	0.50	ug/L	20.0	ND	92.7	40-144			
Diethyl ether	19.4	0.50	1.0	ug/L	20.0	ND	96.8	70-130			
Di-isopropyl ether	20.9	0.40	0.50	ug/L	20.0	ND	104	49-143			
Ethanol	1170	50	50	ug/L	980	ND	120	50-150			
Ethylbenzene	22.3	0.40	0.50	ug/L	20.0	ND	112	59-147			

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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: Silicone Batch Number 2017083004

Reported:
02/15/18 14:22

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 AB83119 - VOAs in Water GCMS

Matrix Spike (AB83119-MS2)

Source: 18A2970-01

Prepared: 02/05/18 Analyzed: 02/06/18

Ethyl methacrylate	18.5	0.30	10	ug/L	20.0	ND	92.4	70-130			
Hexachloroethane	16.7	0.40	1.0	ug/L	20.0	ND	83.5	70-130			
Hexachlorobutadiene	19.2	0.50	0.50	ug/L	20.0	ND	96.0	56-149			
Ethyl tert-butyl ether	17.8	0.40	0.50	ug/L	20.0	ND	88.8	44-143			
2-Hexanone	19.1	4.0	5.0	ug/L	20.0	ND	95.4	70-130			
Isopropylbenzene	23.1	0.40	0.50	ug/L	20.0	ND	116	56-134			
Isobutanol	1810	40	100	ug/L	2000	ND	90.3	70-130			
p-Isopropyltoluene	23.4	0.40	0.50	ug/L	20.0	ND	117	54-148			
Methacrylonitrile	20.8	0.40	1.0	ug/L	20.0	ND	104	70-130			
Methylene chloride	20.8	0.50	0.50	ug/L	20.0	ND	104	43-143			
Methyl ethyl ketone	38.4	0.70	1.0	ug/L	40.0	ND	96.0	62-126			
Methyl iodide	19.1	0.40	2.0	ug/L	20.0	ND	95.6	70-130			
Methyl isobutyl ketone	37.6	0.60	1.0	ug/L	40.0	ND	94.1	66-127			
Methyl methacrylate	18.6	0.40	1.0	ug/L	20.0	ND	93.0	70-130			
Naphthalene	18.6	0.50	0.50	ug/L	20.0	ND	93.0	52-157			
Propionitrile	958	20	50	ug/L	1000	ND	95.8	70-130			
Methyl tert-butyl ether	16.7	0.50	0.50	ug/L	20.0	ND	83.3	55-144			
n-Propylbenzene	23.2	0.40	0.50	ug/L	20.0	ND	116	55-145			
Styrene	22.8	0.40	0.50	ug/L	20.0	ND	114	51-157			
Tert-amyl methyl ether	17.5	0.40	0.50	ug/L	20.0	ND	87.4	41-136			
Tert-butyl alcohol	369	6.0	10	ug/L	400	ND	92.2	38-175			
1,1,1,2-Tetrachloroethane	21.7	0.40	0.50	ug/L	20.0	ND	108	58-146			
1,1,2,2-Tetrachloroethane	19.8	0.30	0.50	ug/L	20.0	ND	99.0	73-127			
Tetrachloroethene	23.2	0.40	0.50	ug/L	20.0	ND	116	49-148			
Tetrahydrofuran	20.9	4.0	5.0	ug/L	20.0	ND	104	70-130			
Toluene	22.3	0.30	0.30	ug/L	20.0	ND	112	59-147			
1,2,4-Trichlorobenzene	22.5	0.20	0.50	ug/L	20.0	ND	112	50-150			
1,2,3-Trichlorobenzene	17.9	0.50	0.50	ug/L	20.0	ND	89.4	50-161			
1,1,1-Trichloroethane	21.8	0.40	0.50	ug/L	20.0	ND	109	38-164			
1,1,2-Trichloroethane	20.4	0.40	0.50	ug/L	20.0	ND	102	46-136			
Trichloroethene	21.1	0.40	0.50	ug/L	20.0	ND	105	58-140			
Trichlorofluoromethane	21.2	0.50	0.50	ug/L	20.0	ND	106	56-144			
1,2,3-Trichloropropane	19.6	0.40	0.50	ug/L	20.0	ND	98.2	61-139			
Trichlorotrifluoroethane	21.6	0.50	0.50	ug/L	20.0	ND	108	59-139			
1,2,4-Trimethylbenzene	21.6	0.40	0.50	ug/L	20.0	ND	108	58-152			

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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: Silicone Batch Number 2017083004

Reported:
02/15/18 14:22

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 AB83119 - VOAs in Water GCMS

Matrix Spike (AB83119-MS2)

Source: 18A2970-01

Prepared: 02/05/18 Analyzed: 02/06/18

1,3,5-Trimethylbenzene	23.4	0.30	0.50	ug/L	20.0	ND	117	58-148			
Vinyl acetate	36.7	0.80	1.0	ug/L	40.0	ND	91.8	70-130			
Vinyl chloride	22.6	0.40	0.50	ug/L	20.0	ND	113	53-160			
m,p-Xylene	45.5	0.50	0.50	ug/L	40.0	ND	114	53-147			
o-Xylene	21.7	0.40	0.50	ug/L	20.0	ND	108	55-148			
Xylenes (total)	67.2	0.50	0.50	ug/L	60.0	ND	112	49-153			
Surrogate: Bromofluorobenzene	26.2			ug/L	25.0		105	81-135			
Surrogate: Dibromofluoromethane	24.2			ug/L	25.0		96.8	46-130			
Surrogate: Toluene-d8	25.5			ug/L	25.0		102	59-132			



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262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Clear VOA- HCl
Project Number: Silicone Batch Number 2017083004

Reported:
02/15/18 14:22

Notes and Definitions

- J Detected but below the Reporting Limit; therefore, result is an estimated concentration, detected but not quantified (DNQ).
- 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



Laboratory & Corporate: 208 Mason Street, Ukiah, CA 95482
707-468-0401 Fax: 707-468-5267

Service Center & Micro Lab: 262 Rickenbacker Circle, Livermore CA 94551
925-828-6226 Fax: 925-828-6309

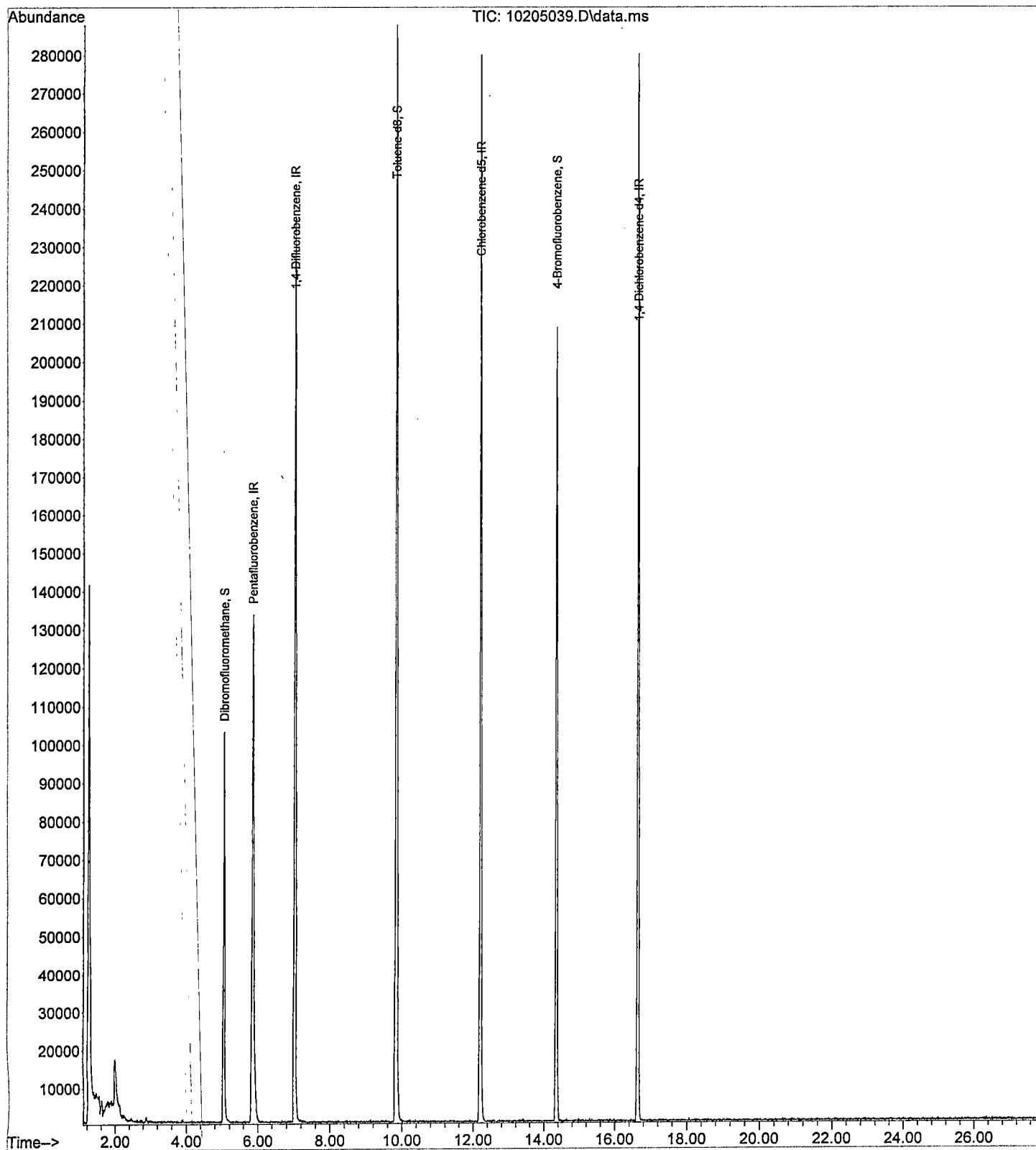
Chain of Custody Record

Reports and Invoices will be delivered by email in .pdf format.

Lab No. 18A2793 Page of

Report to:		Invoice to (if different):		Project Info for Report:		Signature below authorizes work under terms stated on reverse side.												
Company: Sample Traps LLC		Company:		Project ID: QC- 40ml Clear VOA Vial (HCL)		Analyses Requested										TAT	Sample Notes (lab use only)	
Attn: Quality Control Manager		Attn:		Project No: Silicone Batch Number 2017083004		<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Total Number of Containers</div> <div style="display: flex; flex-direction: column; gap: 5px;"> <div style="display: flex; justify-content: space-between; width: 100%;"> 8260 Sample Traps 524.2 Sample Traps j-flags </div> <div style="font-size: small;">include chromatograph with report</div> </div> </div>										10 days <input type="radio"/>	Lab Approval Required For Rush TATs	Temperature: deg. C Shipment Method: Custody Seals: Y / N
Address:		Address:		PO/Reference :												RUSH: 5 days <input type="radio"/>		
Phone/Fax:		Phone/Fax:														48 hours <input type="radio"/>		
Email Address: admin@sampletraps.com		Email Address:														Other: __ days <input type="radio"/>		
Samplers Signature:			Container:			Preservative:			Matrix:			Sample Notes or CDPH Source Numbers:						
Print:		Sampled: Date Time		40ml VOA	Poly	Glass bottle	Glass Jar	HCL	Methanol	Na Bisulfate	Other		None	Water	Container			
Sample Identification		B8030CVBS - 01	B8030CVBS - 02	x	x	x	x	x	x	x	x	x	x	x	x			
please use Ukiah reagent water for the analysis																		
Relinquished by:		Received by:		Date:		Time:		CDPH Write On EDT Transmission? <input type="radio"/> Yes <input type="radio"/> No								State System Number: _____		
		<i>[Signature]</i>		1-30-18		0800										If "Y" please enter the Source Number(s) in the column above		
								CA Geotracker EDF Report? <input type="radio"/> Yes <input type="radio"/> No								Global ID: _____		
																EDF to (Email Address): _____		
								Travel and Site Time:				Misc. Supplies:		Sampling Company Log Code: _____				

File :D:\Data\020518\10205039.D
Operator : MM
Acquired : 6 Feb 2018 11:17 am using AcqMethod MS1INS.M
Instrument : GCMS1
Sample Name: 18A2793-01
Misc Info :
Vial Number: 39



File :D:\MassHunter\GCMS\1\data\020518\60205038.D
Operator : JV/NBH
Acquired : 06 Feb 2018 12:56 pm using AcqMethod MS6INS.M
Instrument : GCMS6
Sample Name: 18A2793-02
Misc Info :
Vial Number: 38

