



Alpha Analytical Laboratories Inc.

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

Bay Area: 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

17 July 2018

Sample Traps, LLC

Attn: Quality Control Manager

262 Rickenbacker Circle

Livermore, CA 94551

RE: QC- 40ml Amber VOA- HCl

Work Order: 18F2741

Enclosed are the results of analyses for samples received by the laboratory on 06/28/18 12:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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 Amber VOA- HCl
Project Number: Silicone Batch Number 2018050602

Reported:
07/17/18 10:20

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
A8177CVBS - 01	18F2741-01	Water	06/28/18 00:00	06/28/18 12:00
A8177CVBS - 02	18F2741-02	Water	06/28/18 00:00	06/28/18 12:00



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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Amber VOA- HCl
Project Number: Silicone Batch Number 2018050602

Reported:
07/17/18 10:20

Volatile Organic Compounds by EPA Method 524.2

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
A8177CVBS - 02 (18F2741-02) Water Sampled: 06/28/18 00:00 Received: 06/28/18 12:00												
Acetone	ND	2.0	5.0	ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U	
Acrylonitrile	ND	0.40	5.0	ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U	
Benzene	ND	0.30	0.30	ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U	
Bromobenzene	ND	0.20	0.50	ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U	
Bromochloromethane	ND	0.40	0.50	ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U	
Bromodichloromethane	ND	0.20	0.50	ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U	
Bromoform	ND	0.30	0.50	ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U	
Bromomethane	ND	0.40	0.50	ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U	
n-Butylbenzene	ND	0.50	0.50	ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U	
sec-Butylbenzene	ND	0.50	0.50	ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U	
tert-Butylbenzene	ND	0.50	0.50	ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U	
Carbon disulfide	ND	0.40	0.50	ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U	
Carbon tetrachloride	ND	0.30	0.50	ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U	
Chlorobenzene	ND	0.20	0.50	ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U	
Chloroethane	ND	0.30	0.50	ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U	
Chloroform	ND	0.30	0.50	ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U	
Chloromethane	ND	0.40	0.50	ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U	
2-Chlorotoluene	ND	0.20	0.50	ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U	
4-Chlorotoluene	ND	0.20	0.50	ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U	
Dibromochloromethane	ND	0.30	0.50	ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U	
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U	
1,2-Dibromoethane (EDB)	ND	0.20	0.50	ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U	
Dibromomethane	ND	0.20	0.50	ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U	
1,2-Dichlorobenzene	ND	0.20	0.50	ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U	
1,3-Dichlorobenzene	ND	0.20	0.50	ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U	
1,4-Dichlorobenzene	ND	0.20	0.50	ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U	
trans-1,4-Dichloro-2-butene	ND	0.90	5.0	ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U	
Dichlorodifluoromethane	ND	0.50	0.50	ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U	
1,1-Dichloroethane	ND	0.20	0.50	ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U	
1,2-Dichloroethane	ND	0.50	0.50	ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U	
1,1-Dichloroethene	ND	0.30	0.30	ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U	
cis-1,2-Dichloroethene	ND	0.40	0.50	ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U	
trans-1,2-Dichloroethene	ND	0.40	0.50	ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U	
1,2-Dichloropropane	ND	0.20	0.50	ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	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 Amber VOA- HCl
Project Number: Silicone Batch Number 2018050602

Reported:
07/17/18 10:20

Volatile Organic Compounds by EPA Method 524.2

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
A8177CVBS - 02 (18F2741-02) Water Sampled: 06/28/18 00:00 Received: 06/28/18 12:00												
1,3-Dichloropropane	ND	0.50	0.50		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
2,2-Dichloropropane	ND	0.30	0.50		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
1,1-Dichloropropene	ND	0.50	0.50		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
cis-1,3-Dichloropropene	ND	0.30	0.50		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
trans-1,3-Dichloropropene	ND	0.30	0.50		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
1,3-Dichloropropene (total)	ND	0.30	0.50		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
2-Hexanone	ND	0.50	5.0		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
Ethylbenzene	ND	0.50	0.50		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
Hexachlorobutadiene	ND	0.40	0.50		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
Isopropylbenzene	ND	0.50	0.50		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
p-Isopropyltoluene	ND	0.50	0.50		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
Methyl ethyl ketone	ND	0.60	1.0		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
Methyl iodide	ND	0.40	2.0		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
Methyl isobutyl ketone	ND	0.80	1.0		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
Methylene chloride	ND	0.40	0.50		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
Naphthalene	ND	0.50	0.50		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
n-Propylbenzene	ND	0.50	0.50		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
Styrene	ND	0.20	0.50		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
1,1,1,2-Tetrachloroethane	ND	0.40	0.50		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
1,1,2,2-Tetrachloroethane	ND	0.20	0.50		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
Tetrachloroethene	ND	0.50	0.50		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
Toluene	ND	0.30	0.50		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
1,2,3-Trichlorobenzene	ND	0.40	0.50		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
1,2,4-Trichlorobenzene	ND	0.40	0.50		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
1,1,1-Trichloroethane	ND	0.40	0.50		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
1,1,2-Trichloroethane	ND	0.20	0.50		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
Trichloroethene	ND	0.50	0.50		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
Trichlorofluoromethane	ND	0.50	0.50		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
Trichlorotrifluoroethane	ND	0.40	0.50		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
1,2,3-Trichloropropane	ND	0.50	0.50		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
1,2,4-Trimethylbenzene	ND	0.50	0.50		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
1,3,5-Trimethylbenzene	ND	0.50	0.50		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
Vinyl chloride	ND	0.50	0.50		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
m,p-Xylene	ND	0.50	0.50		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	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 Amber VOA- HCl
Project Number: Silicone Batch Number 2018050602

Reported:
07/17/18 10:20

Volatile Organic Compounds by EPA Method 524.2

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
A8177CVBS - 02 (18F2741-02) Water Sampled: 06/28/18 00:00 Received: 06/28/18 12:00												
o-Xylene	ND	0.50	0.50		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
Xylenes (total)	ND	0.50	0.50		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
Trihalomethanes (total)	ND	0.30	0.50		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
Methyl tert-butyl ether	ND	0.50	3.0		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
Ethyl tert-butyl ether	ND	0.40	0.50		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
Tert-amyl methyl ether	ND	0.30	0.50		ug/L	1	AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	U
Surrogate: Bromofluorobenzene		115 %	70-130				AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	
Surrogate: Dibromofluoromethane		122 %	70-130				AG83194	07/03/18 11:00	07/03/18 15:35	EPA 524.2	JV	
Surrogate: Toluene-d8		119 %	70-130				AG83194	07/03/18 11:00	07/03/18 15:35	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 Amber VOA- HCl
Project Number: Silicone Batch Number 2018050602

Reported:
07/17/18 10:20

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
A8177CVBS - 01 (18F2741-01) Water Sampled: 06/28/18 00:00 Received: 06/28/18 12:00												
Acetone	ND	0.90	5.0		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Acetonitrile	ND	50	100		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Acrylonitrile	ND	0.40	5.0		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Allyl chloride	ND	0.40	10		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Benzene	ND	0.30	0.30		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Bromobenzene	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Bromochloromethane	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Bromodichloromethane	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Bromoform	ND	0.30	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Bromomethane	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
n-Butylbenzene	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
sec-Butylbenzene	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
tert-Butylbenzene	ND	0.30	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Carbon disulfide	ND	0.40	5.0		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Carbon tetrachloride	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Chlorobenzene	ND	0.30	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Chloroethane	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Chloroform	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Chloromethane	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Chloroprene	ND	0.40	1.0		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
2-Chlorotoluene	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
4-Chlorotoluene	ND	0.30	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Dibromochloromethane	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
1,2-Dibromo-3-chloropropane	ND	0.60	2.0		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
1,2-Dibromoethane (EDB)	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Dibromomethane	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
1,2-Dichlorobenzene	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
1,3-Dichlorobenzene	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
1,4-Dichlorobenzene	ND	0.30	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
trans-1,4-Dichloro-2-butene	ND	0.50	5.0		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Dichlorodifluoromethane	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
1,1-Dichloroethane	ND	0.50	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
1,2-Dichloroethane	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
1,1-Dichloroethene	ND	0.30	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	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 Amber VOA- HCl
Project Number: Silicone Batch Number 2018050602

Reported:
07/17/18 10:20

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
A8177CVBS - 01 (18F2741-01) Water Sampled: 06/28/18 00:00 Received: 06/28/18 12:00												
cis-1,2-Dichloroethene	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
trans-1,2-Dichloroethene	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
1,2-Dichloropropane	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
1,3-Dichloropropane	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
2,2-Dichloropropane	ND	0.50	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
1,1-Dichloropropene	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
cis-1,3-Dichloropropene	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
trans-1,3-Dichloropropene	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Diethyl ether	ND	0.50	1.0		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Di-isopropyl ether	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Ethanol	ND	50	50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Ethyl methacrylate	ND	0.30	10		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Ethylbenzene	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Ethyl tert-butyl ether	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Hexachlorobutadiene	ND	0.50	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Hexachloroethane	ND	0.40	1.0		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
2-Hexanone	ND	4.0	5.0		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Isobutanol	ND	40	100		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Isopropylbenzene	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
p-Isopropyltoluene	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Methacrylonitrile	ND	0.40	1.0		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Methylene chloride	ND	0.50	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Methyl ethyl ketone	ND	0.70	1.0		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Methyl iodide	ND	0.40	2.0		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Methyl isobutyl ketone	ND	0.60	1.0		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Methyl methacrylate	ND	0.40	1.0		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Methyl tert-butyl ether	ND	0.50	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Naphthalene	ND	0.50	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Propionitrile	ND	20	50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
n-Propylbenzene	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Styrene	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Tert-amyl methyl ether	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Tert-butyl alcohol	ND	6.0	10		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
1,1,1,2-Tetrachloroethane	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	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 Amber VOA- HCl
Project Number: Silicone Batch Number 2018050602

Reported:
07/17/18 10:20

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
A8177CVBS - 01 (18F2741-01) Water Sampled: 06/28/18 00:00 Received: 06/28/18 12:00												
1,1,2,2-Tetrachloroethane	ND	0.30	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Tetrachloroethene	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Tetrahydrofuran	ND	4.0	5.0		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Toluene	ND	0.30	0.30		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
1,2,3-Trichlorobenzene	ND	0.50	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
1,2,4-Trichlorobenzene	ND	0.20	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
1,1,1-Trichloroethane	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
1,1,2-Trichloroethane	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Trichloroethene	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Trichlorofluoromethane	ND	0.50	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
1,2,3-Trichloropropane	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Trichlorotrifluoroethane	ND	0.50	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
1,2,4-Trimethylbenzene	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
1,3,5-Trimethylbenzene	ND	0.30	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Vinyl acetate	ND	0.80	1.0		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Vinyl chloride	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
m,p-Xylene	ND	0.50	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
o-Xylene	ND	0.40	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Xylenes (total)	ND	0.50	0.50		ug/L	1	AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	U
Surrogate: Bromofluorobenzene		108 %	70-130				AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	
Surrogate: Dibromofluoromethane		107 %	70-130				AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	
Surrogate: Toluene-d8		118 %	70-130				AG83152	07/02/18 10:20	07/02/18 10:23	EPA 8260	MM	



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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Amber VOA- HCl
Project Number: Silicone Batch Number 2018050602

Reported:
07/17/18 10:20

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 AG83194 - VOAs in Water GCMS

Blank (AG83194-BLK1)

Prepared: 07/02/18 Analyzed: 07/03/18

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	0.20	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

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Amber VOA- HCl
Project Number: Silicone Batch Number 2018050602

Reported:
07/17/18 10:20

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 AG83194 - VOAs in Water GCMS

Blank (AG83194-BLK1)

Prepared: 07/02/18 Analyzed: 07/03/18

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
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

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Amber VOA- HCl
Project Number: Silicone Batch Number 2018050602

Reported:
07/17/18 10:20

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 AG83194 - VOAs in Water GCMS

Blank (AG83194-BLK1)

Prepared: 07/02/18 Analyzed: 07/03/18

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	29.0			ug/L	25.0		116	70-130			
Surrogate: Dibromofluoromethane	29.8			ug/L	25.0		119	70-130			
Surrogate: Toluene-d8	29.5			ug/L	25.0		118	70-130			

LCS (AG83194-BS1)

Prepared: 07/02/18 Analyzed: 07/03/18

Acetone	20.4	2.0	5.0	ug/L	20.0		102	70-130			
Acrylonitrile	4.37	0.40	5.0	ug/L	5.00		87.4	70-130			J
Benzene	4.88	0.30	0.30	ug/L	5.00		97.6	70-130			
Bromobenzene	4.99	0.20	0.50	ug/L	5.00		99.8	70-130			
Bromochloromethane	4.73	0.40	0.50	ug/L	5.00		94.6	70-130			
Bromodichloromethane	4.58	0.20	0.50	ug/L	5.00		91.6	70-130			
Bromoform	4.41	0.30	0.50	ug/L	5.00		88.2	70-130			
Bromomethane	5.38	0.40	0.50	ug/L	5.00		108	70-130			
n-Butylbenzene	4.75	0.50	0.50	ug/L	5.00		95.0	70-130			
sec-Butylbenzene	5.24	0.50	0.50	ug/L	5.00		105	70-130			
tert-Butylbenzene	5.18	0.50	0.50	ug/L	5.00		104	70-130			
Carbon disulfide	4.33	0.40	0.50	ug/L	5.00		86.6	70-130			
Carbon tetrachloride	4.64	0.30	0.50	ug/L	5.00		92.8	70-130			
Chlorobenzene	4.85	0.20	0.50	ug/L	5.00		97.0	70-130			
Chloroethane	5.33	0.30	0.50	ug/L	5.00		107	70-130			
Chloroform	4.67	0.30	0.50	ug/L	5.00		93.4	70-130			
Chloromethane	5.72	0.40	0.50	ug/L	5.00		114	70-130			
2-Chlorotoluene	5.22	0.20	0.50	ug/L	5.00		104	70-130			
4-Chlorotoluene	4.99	0.20	0.50	ug/L	5.00		99.8	70-130			
Dibromochloromethane	4.36	0.30	0.50	ug/L	5.00		87.2	70-130			
1,2-Dibromo-3-chloropropane	4.26	0.50	0.50	ug/L	5.00		85.2	70-130			
1,2-Dibromoethane (EDB)	4.69	0.20	0.50	ug/L	5.00		93.8	70-130			
Dibromomethane	4.68	0.20	0.50	ug/L	5.00		93.6	70-130			
1,2-Dichlorobenzene	4.82	0.20	0.50	ug/L	5.00		96.4	70-130			
1,3-Dichlorobenzene	5.03	0.20	0.50	ug/L	5.00		101	70-130			

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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 Amber VOA- HCl
Project Number: Silicone Batch Number 2018050602

Reported:
07/17/18 10:20

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 AG83194 - VOAs in Water GCMS

LCS (AG83194-BS1)

Prepared: 07/02/18 Analyzed: 07/03/18

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	RPD	Notes
trans-1,4-Dichloro-2-butene	4.04	0.90	5.0	ug/L	5.00	80.8	70-130		J
1,4-Dichlorobenzene	4.65	0.20	0.50	ug/L	5.00	93.0	70-130		
Dichlorodifluoromethane	5.69	0.50	0.50	ug/L	5.00	114	70-130		
1,1-Dichloroethane	5.11	0.20	0.50	ug/L	5.00	102	70-130		
1,2-Dichloroethane	4.57	0.50	0.50	ug/L	5.00	91.4	70-130		
1,1-Dichloroethene	4.70	0.30	0.30	ug/L	5.00	94.0	70-130		
cis-1,2-Dichloroethene	4.92	0.40	0.50	ug/L	5.00	98.4	70-130		
trans-1,2-Dichloroethene	4.86	0.40	0.50	ug/L	5.00	97.2	70-130		
1,2-Dichloropropane	4.81	0.20	0.50	ug/L	5.00	96.2	70-130		
1,3-Dichloropropane	4.95	0.50	0.50	ug/L	5.00	99.0	70-130		
2,2-Dichloropropane	4.11	0.30	0.50	ug/L	5.00	82.2	70-130		
1,1-Dichloropropene	4.72	0.50	0.50	ug/L	5.00	94.4	70-130		
cis-1,3-Dichloropropene	4.53	0.30	0.50	ug/L	5.00	90.6	70-130		
trans-1,3-Dichloropropene	4.64	0.30	0.50	ug/L	5.00	92.8	70-130		
Ethylbenzene	4.85	0.50	0.50	ug/L	5.00	97.0	70-130		
2-Hexanone	4.51	0.50	5.0	ug/L	5.00	90.2	70-130		J
Hexachlorobutadiene	4.90	0.40	0.50	ug/L	5.00	98.0	70-130		
Isopropylbenzene	5.46	0.50	0.50	ug/L	5.00	109	70-130		
p-Isopropyltoluene	5.07	0.50	0.50	ug/L	5.00	101	70-130		
Methyl ethyl ketone	8.56	0.60	1.0	ug/L	10.0	85.6	70-130		
Methyl iodide	4.78	0.40	2.0	ug/L	5.00	95.6	70-130		
Methyl isobutyl ketone	9.06	0.80	1.0	ug/L	10.0	90.6	70-130		
Methylene chloride	4.67	0.40	0.50	ug/L	5.00	93.4	70-130		
Naphthalene	4.38	0.50	0.50	ug/L	5.00	87.6	70-130		
n-Propylbenzene	5.11	0.50	0.50	ug/L	5.00	102	70-130		
Styrene	5.00	0.20	0.50	ug/L	5.00	100	70-130		
1,1,1,2-Tetrachloroethane	4.64	0.40	0.50	ug/L	5.00	92.8	70-130		
1,1,2,2-Tetrachloroethane	4.70	0.20	0.50	ug/L	5.00	94.0	70-130		
Tetrachloroethene	4.81	0.50	0.50	ug/L	5.00	96.2	70-130		
Toluene	5.14	0.30	0.50	ug/L	5.00	103	70-130		
1,2,3-Trichlorobenzene	4.94	0.40	0.50	ug/L	5.00	98.8	70-130		
1,2,4-Trichlorobenzene	4.61	0.40	0.50	ug/L	5.00	92.2	70-130		
1,1,1-Trichloroethane	4.61	0.40	0.50	ug/L	5.00	92.2	70-130		
1,1,2-Trichloroethane	4.84	0.20	0.50	ug/L	5.00	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 Amber VOA- HCl
Project Number: Silicone Batch Number 2018050602

Reported:
07/17/18 10:20

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 AG83194 - VOAs in Water GCMS

LCS (AG83194-BS1)

Prepared: 07/02/18 Analyzed: 07/03/18

Trichloroethene	4.73	0.50	0.50	ug/L	5.00		94.6	70-130			
Trichlorofluoromethane	5.35	0.50	0.50	ug/L	5.00		107	70-130			
Trichlorotrifluoroethane	5.21	0.40	0.50	ug/L	5.00		104	70-130			
1,2,3-Trichloropropane	4.90	0.50	0.50	ug/L	5.00		98.0	70-130			
1,2,4-Trimethylbenzene	4.73	0.50	0.50	ug/L	5.00		94.6	70-130			
1,3,5-Trimethylbenzene	4.73	0.50	0.50	ug/L	5.00		94.6	70-130			
Vinyl chloride	5.33	0.50	0.50	ug/L	5.00		107	70-130			
m,p-Xylene	10.0	0.50	0.50	ug/L	10.0		100	70-130			
o-Xylene	5.09	0.50	0.50	ug/L	5.00		102	70-130			
Xylenes (total)	15.1	0.50	0.50	ug/L	15.0		101	70-130			
Methyl tert-butyl ether	5.01	0.50	3.0	ug/L	5.00		100	70-130			
Ethyl tert-butyl ether	5.22	0.40	0.50	ug/L	5.00		104	70-130			
Tert-amyl methyl ether	4.77	0.30	0.50	ug/L	5.00		95.4	70-130			
Surrogate: Bromofluorobenzene	29.7			ug/L	25.0		119	70-130			
Surrogate: Dibromofluoromethane	29.8			ug/L	25.0		119	70-130			
Surrogate: Toluene-d8	29.8			ug/L	25.0		119	70-130			

LCS Dup (AG83194-BSD1)

Prepared: 07/02/18 Analyzed: 07/03/18

Acetone	23.8	2.0	5.0	ug/L	20.0		119	70-130	15.8	30	
Acrylonitrile	5.23	0.40	5.0	ug/L	5.00		105	70-130	17.9	30	
Benzene	4.76	0.30	0.30	ug/L	5.00		95.2	70-130	2.49	30	
Bromobenzene	5.02	0.20	0.50	ug/L	5.00		100	70-130	0.599	30	
Bromochloromethane	4.90	0.40	0.50	ug/L	5.00		98.0	70-130	3.53	30	
Bromodichloromethane	4.74	0.20	0.50	ug/L	5.00		94.8	70-130	3.43	30	
Bromoform	4.61	0.30	0.50	ug/L	5.00		92.2	70-130	4.43	30	
Bromomethane	5.24	0.40	0.50	ug/L	5.00		105	70-130	2.64	30	
n-Butylbenzene	4.81	0.50	0.50	ug/L	5.00		96.2	70-130	1.26	30	
sec-Butylbenzene	5.17	0.50	0.50	ug/L	5.00		103	70-130	1.34	30	
tert-Butylbenzene	5.08	0.50	0.50	ug/L	5.00		102	70-130	1.95	30	
Carbon disulfide	4.29	0.40	0.50	ug/L	5.00		85.8	70-130	0.928	30	
Carbon tetrachloride	4.70	0.30	0.50	ug/L	5.00		94.0	70-130	1.28	30	
Chlorobenzene	4.83	0.20	0.50	ug/L	5.00		96.6	70-130	0.413	30	
Chloroethane	5.29	0.30	0.50	ug/L	5.00		106	70-130	0.753	30	
Chloroform	4.65	0.30	0.50	ug/L	5.00		93.0	70-130	0.429	30	
Chloromethane	4.96	0.40	0.50	ug/L	5.00		99.2	70-130	14.2	30	

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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 Amber VOA- HCl
Project Number: Silicone Batch Number 2018050602

Reported:
07/17/18 10:20

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 AG83194 - VOAs in Water GCMS

LCS Dup (AG83194-BSD1)

Prepared: 07/02/18 Analyzed: 07/03/18

2-Chlorotoluene	5.11	0.20	0.50	ug/L	5.00		102	70-130	2.13	30	
4-Chlorotoluene	4.93	0.20	0.50	ug/L	5.00		98.6	70-130	1.21	30	
Dibromochloromethane	4.58	0.30	0.50	ug/L	5.00		91.6	70-130	4.92	30	
1,2-Dibromo-3-chloropropane	4.58	0.50	0.50	ug/L	5.00		91.6	70-130	7.24	25	
1,2-Dibromoethane (EDB)	4.90	0.20	0.50	ug/L	5.00		98.0	70-130	4.38	25	
Dibromomethane	4.96	0.20	0.50	ug/L	5.00		99.2	70-130	5.81	30	
1,2-Dichlorobenzene	4.84	0.20	0.50	ug/L	5.00		96.8	70-130	0.414	30	
1,3-Dichlorobenzene	4.98	0.20	0.50	ug/L	5.00		99.6	70-130	0.999	30	
trans-1,4-Dichloro-2-butene	4.28	0.90	5.0	ug/L	5.00		85.6	70-130	5.77	25	J
1,4-Dichlorobenzene	4.72	0.20	0.50	ug/L	5.00		94.4	70-130	1.49	30	
Dichlorodifluoromethane	5.77	0.50	0.50	ug/L	5.00		115	70-130	1.40	30	
1,1-Dichloroethane	5.03	0.20	0.50	ug/L	5.00		101	70-130	1.58	30	
1,2-Dichloroethane	4.76	0.50	0.50	ug/L	5.00		95.2	70-130	4.07	30	
1,1-Dichloroethene	4.61	0.30	0.30	ug/L	5.00		92.2	70-130	1.93	30	
cis-1,2-Dichloroethene	4.91	0.40	0.50	ug/L	5.00		98.2	70-130	0.203	30	
trans-1,2-Dichloroethene	4.70	0.40	0.50	ug/L	5.00		94.0	70-130	3.35	30	
1,2-Dichloropropane	4.73	0.20	0.50	ug/L	5.00		94.6	70-130	1.68	30	
1,3-Dichloropropane	5.02	0.50	0.50	ug/L	5.00		100	70-130	1.40	30	
2,2-Dichloropropane	4.07	0.30	0.50	ug/L	5.00		81.4	70-130	0.978	30	
1,1-Dichloropropene	4.57	0.50	0.50	ug/L	5.00		91.4	70-130	3.23	30	
cis-1,3-Dichloropropene	4.79	0.30	0.50	ug/L	5.00		95.8	70-130	5.58	30	
trans-1,3-Dichloropropene	4.98	0.30	0.50	ug/L	5.00		99.6	70-130	7.07	30	
2-Hexanone	5.14	0.50	5.0	ug/L	5.00		103	70-130	13.1	25	
Ethylbenzene	4.75	0.50	0.50	ug/L	5.00		95.0	70-130	2.08	30	
Hexachlorobutadiene	5.27	0.40	0.50	ug/L	5.00		105	70-130	7.28	30	
Isopropylbenzene	5.25	0.50	0.50	ug/L	5.00		105	70-130	3.92	30	
p-Isopropyltoluene	5.09	0.50	0.50	ug/L	5.00		102	70-130	0.394	30	
Methyl ethyl ketone	10.0	0.60	1.0	ug/L	10.0		100	70-130	16.0	30	
Methyl iodide	4.86	0.40	2.0	ug/L	5.00		97.2	70-130	1.66	25	
Methyl isobutyl ketone	10.4	0.80	1.0	ug/L	10.0		104	70-130	14.1	30	
Methylene chloride	4.78	0.40	0.50	ug/L	5.00		95.6	70-130	2.33	30	
Naphthalene	4.66	0.50	0.50	ug/L	5.00		93.2	70-130	6.19	30	
n-Propylbenzene	5.00	0.50	0.50	ug/L	5.00		100	70-130	2.18	30	
Styrene	5.06	0.20	0.50	ug/L	5.00		101	70-130	1.19	30	
1,1,1,2-Tetrachloroethane	4.85	0.40	0.50	ug/L	5.00		97.0	70-130	4.43	30	

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Amber VOA- HCl
Project Number: Silicone Batch Number 2018050602

Reported:
07/17/18 10:20

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 AG83194 - VOAs in Water GCMS

LCS Dup (AG83194-BSD1)

Prepared: 07/02/18 Analyzed: 07/03/18

1,1,2,2-Tetrachloroethane	4.87	0.20	0.50	ug/L	5.00		97.4	70-130	3.55	30	
Tetrachloroethene	4.68	0.50	0.50	ug/L	5.00		93.6	70-130	2.74	30	
Toluene	5.05	0.30	0.50	ug/L	5.00		101	70-130	1.77	30	
1,2,3-Trichlorobenzene	5.16	0.40	0.50	ug/L	5.00		103	70-130	4.36	30	
1,2,4-Trichlorobenzene	4.78	0.40	0.50	ug/L	5.00		95.6	70-130	3.62	30	
1,1,1-Trichloroethane	4.47	0.40	0.50	ug/L	5.00		89.4	70-130	3.08	30	
1,1,2-Trichloroethane	4.90	0.20	0.50	ug/L	5.00		98.0	70-130	1.23	30	
Trichloroethene	4.71	0.50	0.50	ug/L	5.00		94.2	70-130	0.424	30	
Trichlorofluoromethane	5.19	0.50	0.50	ug/L	5.00		104	70-130	3.04	30	
Trichlorotrifluoroethane	5.09	0.40	0.50	ug/L	5.00		102	70-130	2.33	30	
1,2,3-Trichloropropane	5.13	0.50	0.50	ug/L	5.00		103	70-130	4.59	25	
1,2,4-Trimethylbenzene	4.75	0.50	0.50	ug/L	5.00		95.0	70-130	0.422	30	
1,3,5-Trimethylbenzene	4.75	0.50	0.50	ug/L	5.00		95.0	70-130	0.422	30	
Vinyl chloride	4.67	0.50	0.50	ug/L	5.00		93.4	70-130	13.2	30	
m,p-Xylene	9.83	0.50	0.50	ug/L	10.0		98.3	70-130	2.01	30	
o-Xylene	5.02	0.50	0.50	ug/L	5.00		100	70-130	1.38	30	
Xylenes (total)	14.8	0.50	0.50	ug/L	15.0		99.0	70-130	1.80	30	
Methyl tert-butyl ether	5.42	0.50	3.0	ug/L	5.00		108	70-130	7.86	30	
Ethyl tert-butyl ether	5.46	0.40	0.50	ug/L	5.00		109	70-130	4.49	30	
Tert-amyl methyl ether	4.90	0.30	0.50	ug/L	5.00		98.0	70-130	2.69	30	
Surrogate: Bromofluorobenzene	29.8			ug/L	25.0		119	70-130			
Surrogate: Dibromofluoromethane	30.0			ug/L	25.0		120	70-130			
Surrogate: Toluene-d8	29.7			ug/L	25.0		119	70-130			

Matrix Spike (AG83194-MS1)

Source: 18F2783-01

Prepared: 07/02/18 Analyzed: 07/04/18

Acetone	23.1	2.0	5.0	ug/L	20.0	ND	116	70-130			
Acrylonitrile	4.61	0.40	5.0	ug/L	5.00	ND	92.2	70-130			J
Benzene	5.06	0.30	0.30	ug/L	5.00	ND	101	70-130			
Bromobenzene	5.10	0.20	0.50	ug/L	5.00	ND	102	70-130			
Bromochloromethane	4.97	0.40	0.50	ug/L	5.00	ND	99.4	70-130			
Bromodichloromethane	4.86	0.20	0.50	ug/L	5.00	ND	97.2	70-130			
Bromoform	4.55	0.30	0.50	ug/L	5.00	ND	91.0	70-130			
Bromomethane	5.38	0.40	0.50	ug/L	5.00	ND	108	70-130			
n-Butylbenzene	5.09	0.50	0.50	ug/L	5.00	ND	102	70-130			
sec-Butylbenzene	5.93	0.50	0.50	ug/L	5.00	ND	119	70-130			

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Amber VOA- HCl
Project Number: Silicone Batch Number 2018050602

Reported:
07/17/18 10:20

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 AG83194 - VOAs in Water GCMS

Matrix Spike (AG83194-MS1)

Source: 18F2783-01

Prepared: 07/02/18 Analyzed: 07/04/18

tert-Butylbenzene	5.64	0.50	0.50	ug/L	5.00	ND	113	70-130			
Carbon disulfide	5.45	0.40	0.50	ug/L	5.00	ND	109	70-130			
Carbon tetrachloride	5.49	0.30	0.50	ug/L	5.00	ND	110	70-130			
Chlorobenzene	5.08	0.20	0.50	ug/L	5.00	ND	102	70-130			
Chloroethane	6.00	0.30	0.50	ug/L	5.00	ND	120	70-130			
Chloroform	4.92	0.30	0.50	ug/L	5.00	ND	98.4	70-130			
Chloromethane	5.22	0.40	0.50	ug/L	5.00	ND	104	70-130			
2-Chlorotoluene	5.56	0.20	0.50	ug/L	5.00	ND	111	70-130			
4-Chlorotoluene	5.17	0.20	0.50	ug/L	5.00	ND	103	70-130			
Dibromochloromethane	4.50	0.30	0.50	ug/L	5.00	ND	90.0	70-130			
1,2-Dibromo-3-chloropropane	4.44	0.50	0.50	ug/L	5.00	ND	88.8	70-130			
1,2-Dibromoethane (EDB)	4.78	0.20	0.50	ug/L	5.00	ND	95.6	70-130			
Dibromomethane	4.86	0.20	0.50	ug/L	5.00	ND	97.2	70-130			
1,2-Dichlorobenzene	4.66	0.20	0.50	ug/L	5.00	ND	93.2	70-130			
1,3-Dichlorobenzene	5.16	0.20	0.50	ug/L	5.00	ND	103	70-130			
1,4-Dichlorobenzene	4.72	0.20	0.50	ug/L	5.00	ND	94.4	70-130			
trans-1,4-Dichloro-2-butene	2.23	0.90	5.0	ug/L	5.00	ND	44.6	70-130			QM-05, J
Dichlorodifluoromethane	6.45	0.50	0.50	ug/L	5.00	ND	129	70-130			
1,1-Dichloroethane	5.52	0.20	0.50	ug/L	5.00	ND	110	70-130			
1,2-Dichloroethane	4.66	0.50	0.50	ug/L	5.00	ND	93.2	70-130			
1,1-Dichloroethene	5.66	0.30	0.30	ug/L	5.00	ND	113	70-130			
cis-1,2-Dichloroethene	5.25	0.40	0.50	ug/L	5.00	ND	105	70-130			
trans-1,2-Dichloroethene	5.52	0.40	0.50	ug/L	5.00	ND	110	70-130			
1,2-Dichloropropane	4.85	0.20	0.50	ug/L	5.00	ND	97.0	70-130			
1,3-Dichloropropane	5.02	0.50	0.50	ug/L	5.00	ND	100	70-130			
2,2-Dichloropropane	4.89	0.30	0.50	ug/L	5.00	ND	97.8	70-130			
1,1-Dichloropropene	5.30	0.50	0.50	ug/L	5.00	ND	106	70-130			
cis-1,3-Dichloropropene	4.51	0.30	0.50	ug/L	5.00	ND	90.2	70-130			
trans-1,3-Dichloropropene	4.59	0.30	0.50	ug/L	5.00	ND	91.8	70-130			
2-Hexanone	4.55	0.50	5.0	ug/L	5.00	ND	91.0	70-130			J
Ethylbenzene	5.15	0.50	0.50	ug/L	5.00	ND	103	70-130			
Hexachlorobutadiene	5.39	0.40	0.50	ug/L	5.00	ND	108	70-130			
Isopropylbenzene	5.98	0.50	0.50	ug/L	5.00	ND	120	70-130			
p-Isopropyltoluene	5.58	0.50	0.50	ug/L	5.00	ND	112	70-130			

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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 Amber VOA- HCl
Project Number: Silicone Batch Number 2018050602

Reported:
07/17/18 10:20

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 AG83194 - VOAs in Water GCMS

Matrix Spike (AG83194-MS1)

Source: 18F2783-01

Prepared: 07/02/18 Analyzed: 07/04/18

Methyl ethyl ketone	9.89	0.60	1.0	ug/L	10.0	ND	98.9	70-130			
Methyl iodide	5.23	0.40	2.0	ug/L	5.00	ND	105	70-130			
Methyl isobutyl ketone	9.13	0.80	1.0	ug/L	10.0	ND	91.3	70-130			
Methylene chloride	4.45	0.40	0.50	ug/L	5.00	ND	89.0	70-130			
Naphthalene	4.26	0.50	0.50	ug/L	5.00	ND	85.2	70-130			
n-Propylbenzene	5.53	0.50	0.50	ug/L	5.00	ND	111	70-130			
Styrene	4.08	0.20	0.50	ug/L	5.00	ND	81.6	70-130			
1,1,1,2-Tetrachloroethane	4.85	0.40	0.50	ug/L	5.00	ND	97.0	70-130			
1,1,1,2,2-Tetrachloroethane	4.78	0.20	0.50	ug/L	5.00	ND	95.6	70-130			
Tetrachloroethene	5.58	0.50	0.50	ug/L	5.00	ND	112	70-130			
Toluene	5.46	0.30	0.50	ug/L	5.00	ND	109	70-130			
1,2,3-Trichlorobenzene	5.01	0.40	0.50	ug/L	5.00	ND	100	70-130			
1,2,4-Trichlorobenzene	4.59	0.40	0.50	ug/L	5.00	ND	91.8	70-130			
1,1,1-Trichloroethane	5.14	0.40	0.50	ug/L	5.00	ND	103	70-130			
1,1,2-Trichloroethane	4.90	0.20	0.50	ug/L	5.00	ND	98.0	70-130			
Trichloroethene	5.63	0.50	0.50	ug/L	5.00	ND	113	70-130			
Trichlorofluoromethane	6.40	0.50	0.50	ug/L	5.00	ND	128	70-130			
Trichlorotrifluoroethane	6.47	0.40	0.50	ug/L	5.00	ND	129	70-130			
1,2,3-Trichloropropane	4.92	0.50	0.50	ug/L	5.00	ND	98.4	70-130			
1,2,4-Trimethylbenzene	4.99	0.50	0.50	ug/L	5.00	ND	99.8	70-130			
1,3,5-Trimethylbenzene	4.99	0.50	0.50	ug/L	5.00	ND	99.8	70-130			
Vinyl chloride	5.67	0.50	0.50	ug/L	5.00	ND	113	70-130			
m,p-Xylene	10.6	0.50	0.50	ug/L	10.0	ND	106	70-130			
o-Xylene	5.32	0.50	0.50	ug/L	5.00	ND	106	70-130			
Xylenes (total)	16.0	0.50	0.50	ug/L	15.0	ND	106	70-130			
Methyl tert-butyl ether	4.61	0.50	3.0	ug/L	5.00	ND	92.2	70-130			
Ethyl tert-butyl ether	5.45	0.40	0.50	ug/L	5.00	ND	109	70-130			
Tert-amyl methyl ether	4.64	0.30	0.50	ug/L	5.00	ND	92.8	70-130			
Surrogate: Bromofluorobenzene	29.8			ug/L	25.0		119	70-130			
Surrogate: Dibromofluoromethane	30.9			ug/L	25.0		124	70-130			
Surrogate: Toluene-d8	29.8			ug/L	25.0		119	70-130			

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Amber VOA- HCl
Project Number: Silicone Batch Number 2018050602

Reported:
07/17/18 10:20

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 AG83194 - VOAs in Water GCMS

Matrix Spike Dup (AG83194-MSD1)

Source: 18F2783-01

Prepared: 07/02/18 Analyzed: 07/04/18

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Acetone	19.6	2.0	5.0	ug/L	20.0	ND	97.8	70-130	16.8	30	
Acrylonitrile	4.17	0.40	5.0	ug/L	5.00	ND	83.4	70-130	10.0	30	J
Benzene	5.48	0.30	0.30	ug/L	5.00	ND	110	70-130	7.97	30	
Bromobenzene	5.47	0.20	0.50	ug/L	5.00	ND	109	70-130	7.00	30	
Bromochloromethane	5.05	0.40	0.50	ug/L	5.00	ND	101	70-130	1.60	30	
Bromodichloromethane	5.33	0.20	0.50	ug/L	5.00	ND	107	70-130	9.22	30	
Bromoform	4.93	0.30	0.50	ug/L	5.00	ND	98.6	70-130	8.02	30	
Bromomethane	5.60	0.40	0.50	ug/L	5.00	ND	112	70-130	4.01	30	
n-Butylbenzene	5.67	0.50	0.50	ug/L	5.00	ND	113	70-130	10.8	30	
sec-Butylbenzene	6.47	0.50	0.50	ug/L	5.00	ND	129	70-130	8.71	30	
tert-Butylbenzene	6.28	0.50	0.50	ug/L	5.00	ND	126	70-130	10.7	30	
Carbon disulfide	5.73	0.40	0.50	ug/L	5.00	ND	115	70-130	5.01	30	
Carbon tetrachloride	5.99	0.30	0.50	ug/L	5.00	ND	120	70-130	8.71	30	
Chlorobenzene	5.45	0.20	0.50	ug/L	5.00	ND	109	70-130	7.03	30	
Chloroethane	6.16	0.30	0.50	ug/L	5.00	ND	123	70-130	2.63	30	
Chloroform	5.20	0.30	0.50	ug/L	5.00	ND	104	70-130	5.53	30	
Chloromethane	6.19	0.40	0.50	ug/L	5.00	ND	124	70-130	17.0	30	
2-Chlorotoluene	6.01	0.20	0.50	ug/L	5.00	ND	120	70-130	7.78	30	
4-Chlorotoluene	5.68	0.20	0.50	ug/L	5.00	ND	114	70-130	9.40	30	
Dibromochloromethane	4.70	0.30	0.50	ug/L	5.00	ND	94.0	70-130	4.35	30	
1,2-Dibromo-3-chloropropane	4.66	0.50	0.50	ug/L	5.00	ND	93.2	70-130	4.84	25	
1,2-Dibromoethane (EDB)	5.03	0.20	0.50	ug/L	5.00	ND	101	70-130	5.10	25	
Dibromomethane	5.01	0.20	0.50	ug/L	5.00	ND	100	70-130	3.04	30	
1,2-Dichlorobenzene	5.16	0.20	0.50	ug/L	5.00	ND	103	70-130	10.2	30	
1,3-Dichlorobenzene	5.63	0.20	0.50	ug/L	5.00	ND	113	70-130	8.71	30	
1,4-Dichlorobenzene	5.12	0.20	0.50	ug/L	5.00	ND	102	70-130	8.13	30	
trans-1,4-Dichloro-2-butene	2.37	0.90	5.0	ug/L	5.00	ND	47.4	70-130	6.09	25	QM-05, J
Dichlorodifluoromethane	7.06	0.50	0.50	ug/L	5.00	ND	141	70-130	9.03	30	QM-05
1,1-Dichloroethane	5.84	0.20	0.50	ug/L	5.00	ND	117	70-130	5.63	30	
1,2-Dichloroethane	4.79	0.50	0.50	ug/L	5.00	ND	95.8	70-130	2.75	30	
1,1-Dichloroethene	5.95	0.30	0.30	ug/L	5.00	ND	119	70-130	5.00	30	
cis-1,2-Dichloroethene	5.53	0.40	0.50	ug/L	5.00	ND	111	70-130	5.19	30	
trans-1,2-Dichloroethene	5.79	0.40	0.50	ug/L	5.00	ND	116	70-130	4.77	30	
1,2-Dichloropropane	5.19	0.20	0.50	ug/L	5.00	ND	104	70-130	6.77	30	

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Amber VOA- HCl
Project Number: Silicone Batch Number 2018050602

Reported:
07/17/18 10:20

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 AG83194 - VOAs in Water GCMS

Matrix Spike Dup (AG83194-MSD1)

Source: 18F2783-01

Prepared: 07/02/18 Analyzed: 07/04/18

1,3-Dichloropropane	5.20	0.50	0.50	ug/L	5.00	ND	104	70-130	3.52	30	
2,2-Dichloropropane	5.19	0.30	0.50	ug/L	5.00	ND	104	70-130	5.95	30	
1,1-Dichloropropene	5.86	0.50	0.50	ug/L	5.00	ND	117	70-130	10.0	30	
cis-1,3-Dichloropropene	4.86	0.30	0.50	ug/L	5.00	ND	97.2	70-130	7.47	30	
trans-1,3-Dichloropropene	4.99	0.30	0.50	ug/L	5.00	ND	99.8	70-130	8.35	30	
2-Hexanone	4.37	0.50	5.0	ug/L	5.00	ND	87.4	70-130	4.04	25	J
Ethylbenzene	5.67	0.50	0.50	ug/L	5.00	ND	113	70-130	9.61	30	
Hexachlorobutadiene	5.98	0.40	0.50	ug/L	5.00	ND	120	70-130	10.4	30	
Isopropylbenzene	6.56	0.50	0.50	ug/L	5.00	ND	131	70-130	9.25	30	QM-05
p-Isopropyltoluene	6.30	0.50	0.50	ug/L	5.00	ND	126	70-130	12.1	30	
Methyl ethyl ketone	7.86	0.60	1.0	ug/L	10.0	ND	78.6	70-130	22.9	30	
Methyl iodide	4.93	0.40	2.0	ug/L	5.00	ND	98.6	70-130	5.91	25	
Methyl isobutyl ketone	9.40	0.80	1.0	ug/L	10.0	ND	94.0	70-130	2.91	30	
Methylene chloride	4.70	0.40	0.50	ug/L	5.00	ND	94.0	70-130	5.46	30	
Naphthalene	4.92	0.50	0.50	ug/L	5.00	ND	98.4	70-130	14.4	30	
n-Propylbenzene	6.14	0.50	0.50	ug/L	5.00	ND	123	70-130	10.5	30	
Styrene	4.34	0.20	0.50	ug/L	5.00	ND	86.8	70-130	6.18	30	
1,1,1,2-Tetrachloroethane	5.29	0.40	0.50	ug/L	5.00	ND	106	70-130	8.68	30	
1,1,2,2-Tetrachloroethane	5.02	0.20	0.50	ug/L	5.00	ND	100	70-130	4.90	30	
Tetrachloroethene	6.03	0.50	0.50	ug/L	5.00	ND	121	70-130	7.75	30	
Toluene	5.88	0.30	0.50	ug/L	5.00	ND	118	70-130	7.41	30	
1,2,3-Trichlorobenzene	5.58	0.40	0.50	ug/L	5.00	ND	112	70-130	10.8	30	
1,2,4-Trichlorobenzene	5.18	0.40	0.50	ug/L	5.00	ND	104	70-130	12.1	30	
1,1,1-Trichloroethane	5.65	0.40	0.50	ug/L	5.00	ND	113	70-130	9.45	30	
1,1,2-Trichloroethane	5.03	0.20	0.50	ug/L	5.00	ND	101	70-130	2.62	30	
Trichloroethene	6.15	0.50	0.50	ug/L	5.00	ND	123	70-130	8.83	30	
Trichlorofluoromethane	6.79	0.50	0.50	ug/L	5.00	ND	136	70-130	5.91	30	QM-05
Trichlorotrifluoroethane	6.84	0.40	0.50	ug/L	5.00	ND	137	70-130	5.56	30	QM-05
1,2,3-Trichloropropane	5.52	0.50	0.50	ug/L	5.00	ND	110	70-130	11.5	25	
1,2,4-Trimethylbenzene	5.46	0.50	0.50	ug/L	5.00	ND	109	70-130	9.00	30	
1,3,5-Trimethylbenzene	5.46	0.50	0.50	ug/L	5.00	ND	109	70-130	9.00	30	
Vinyl chloride	6.19	0.50	0.50	ug/L	5.00	ND	124	70-130	8.77	30	
m,p-Xylene	11.7	0.50	0.50	ug/L	10.0	ND	117	70-130	9.15	30	
o-Xylene	5.74	0.50	0.50	ug/L	5.00	ND	115	70-130	7.59	30	
Xylenes (total)	17.4	0.50	0.50	ug/L	15.0	ND	116	70-130	8.63	30	

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Amber VOA- HCl
Project Number: Silicone Batch Number 2018050602

Reported:
07/17/18 10:20

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 AG83194 - VOAs in Water GCMS

Matrix Spike Dup (AG83194-MSD1)

Source: 18F2783-01

Prepared: 07/02/18 Analyzed: 07/04/18

Methyl tert-butyl ether	4.62	0.50	3.0	ug/L	5.00	ND	92.4	70-130	0.217	30	
Ethyl tert-butyl ether	5.47	0.40	0.50	ug/L	5.00	ND	109	70-130	0.366	30	
Tert-amyl methyl ether	4.86	0.30	0.50	ug/L	5.00	ND	97.2	70-130	4.63	30	
Surrogate: Bromofluorobenzene	30.0			ug/L	25.0		120	70-130			
Surrogate: Dibromofluoromethane	29.5			ug/L	25.0		118	70-130			
Surrogate: Toluene-d8	30.9			ug/L	25.0		123	70-130			



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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Amber VOA- HCl
Project Number: Silicone Batch Number 2018050602

Reported:
07/17/18 10:20

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 AG83152 - VOAs in Water GCMS

Blank (AG83152-BLK1)

Prepared: 07/01/18 Analyzed: 07/02/18

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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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 Amber VOA- HCl
Project Number: Silicone Batch Number 2018050602

Reported:
07/17/18 10:20

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 AG83152 - VOAs in Water GCMS

Blank (AG83152-BLK1)

Prepared: 07/01/18 Analyzed: 07/02/18

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
Ethanol	ND	50	50	ug/L							U
Ethyl methacrylate	ND	0.30	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	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 Amber VOA- HCl
Project Number: Silicone Batch Number 2018050602

Reported:
07/17/18 10:20

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 AG83152 - VOAs in Water GCMS

Blank (AG83152-BLK1)

Prepared: 07/01/18 Analyzed: 07/02/18

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	26.6			ug/L	25.0		106	70-130			
Surrogate: Dibromofluoromethane	26.5			ug/L	25.0		106	70-130			
Surrogate: Toluene-d8	29.0			ug/L	25.0		116	70-130			

LCS (AG83152-BS1)

Prepared: 07/01/18 Analyzed: 07/02/18

Acetone	68.0	0.90	5.0	ug/L	80.0		85.0	48-124			
Acetonitrile	1700	50	100	ug/L	2000		84.9	70-130			
Acrylonitrile	19.0	0.40	5.0	ug/L	20.0		95.0	70-130			
Allyl chloride	22.6	0.40	10	ug/L	20.0		113	70-130			
Benzene	19.2	0.30	0.30	ug/L	20.0		96.2	82-122			
Bromobenzene	21.9	0.40	0.50	ug/L	20.0		110	83-122			
Bromochloromethane	18.6	0.40	0.50	ug/L	20.0		93.0	83-124			
Bromodichloromethane	18.9	0.40	0.50	ug/L	20.0		94.7	86-135			
Bromoform	19.0	0.30	0.50	ug/L	20.0		95.2	76-144			
Bromomethane	19.9	0.40	0.50	ug/L	20.0		99.6	69-145			
n-Butylbenzene	18.2	0.40	0.50	ug/L	20.0		91.0	79-132			
sec-Butylbenzene	20.3	0.40	0.50	ug/L	20.0		101	86-132			

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Amber VOA- HCl
Project Number: Silicone Batch Number 2018050602

Reported:
07/17/18 10:20

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 AG83152 - VOAs in Water GCMS

LCS (AG83152-BS1)

Prepared: 07/01/18 Analyzed: 07/02/18

tert-Butylbenzene	20.2	0.30	0.50	ug/L	20.0		101	82-126			
Carbon disulfide	19.8	0.40	5.0	ug/L	20.0		98.9	70-130			
Carbon tetrachloride	18.8	0.40	0.50	ug/L	20.0		94.2	77-134			
Chlorobenzene	20.2	0.30	0.50	ug/L	20.0		101	84-119			
Chloroethane	19.9	0.40	0.50	ug/L	20.0		99.7	68-133			
Chloroform	18.8	0.40	0.50	ug/L	20.0		93.8	81-122			
Chloromethane	21.1	0.40	0.50	ug/L	20.0		106	63-129			
Chloroprene	21.1	0.40	1.0	ug/L	20.0		105	70-130			
2-Chlorotoluene	21.2	0.40	0.50	ug/L	20.0		106	79-132			
4-Chlorotoluene	20.4	0.30	0.50	ug/L	20.0		102	80-122			
Dibromochloromethane	20.0	0.40	0.50	ug/L	20.0		100	83-135			
1,2-Dibromo-3-chloropropane	14.8	0.60	2.0	ug/L	20.0		73.9	73-128			
1,2-Dibromoethane (EDB)	20.6	0.40	0.50	ug/L	20.0		103	80-120			
Dibromomethane	19.0	0.40	0.50	ug/L	20.0		94.8	82-124			
1,2-Dichlorobenzene	20.5	0.40	0.50	ug/L	20.0		102	84-121			
1,3-Dichlorobenzene	22.0	0.40	0.50	ug/L	20.0		110	80-120			
1,4-Dichlorobenzene	19.0	0.30	0.50	ug/L	20.0		95.2	84-120			
trans-1,4-Dichloro-2-butene	17.4	0.50	5.0	ug/L	20.0		87.2	70-130			
Dichlorodifluoromethane	21.6	0.40	0.50	ug/L	20.0		108	52-142			
1,1-Dichloroethane	18.8	0.50	0.50	ug/L	20.0		94.0	81-126			
1,2-Dichloroethane	18.7	0.40	0.50	ug/L	20.0		93.6	77-117			
1,1-Dichloroethene	18.8	0.30	0.50	ug/L	20.0		94.2	71-151			
cis-1,2-Dichloroethene	20.2	0.40	0.50	ug/L	20.0		101	84-131			
trans-1,2-Dichloroethene	18.7	0.40	0.50	ug/L	20.0		93.6	79-128			
1,2-Dichloropropane	18.6	0.40	0.50	ug/L	20.0		93.0	82-125			
1,3-Dichloropropane	21.1	0.40	0.50	ug/L	20.0		105	83-120			
2,2-Dichloropropane	20.6	0.50	0.50	ug/L	20.0		103	80-125			
1,1-Dichloropropene	20.1	0.40	0.50	ug/L	20.0		100	85-130			
cis-1,3-Dichloropropene	19.0	0.40	0.50	ug/L	20.0		95.2	83-128			
trans-1,3-Dichloropropene	17.9	0.40	0.50	ug/L	20.0		89.4	67-129			
Diethyl ether	18.8	0.50	1.0	ug/L	20.0		94.2	70-130			
Di-isopropyl ether	21.0	0.40	0.50	ug/L	20.0		105	83-132			
Ethylbenzene	22.6	0.40	0.50	ug/L	20.0		113	84-124			
Ethyl methacrylate	17.3	0.30	10	ug/L	20.0		86.4	70-130			

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Amber VOA- HCl
Project Number: Silicone Batch Number 2018050602

Reported:
07/17/18 10:20

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 AG83152 - VOAs in Water GCMS

LCS (AG83152-BS1)

Prepared: 07/01/18 Analyzed: 07/02/18

Ethanol	1020	50	50	ug/L	980	104	50-150				
Hexachloroethane	18.6	0.40	1.0	ug/L	20.0	93.1	70-130				
Ethyl tert-butyl ether	25.2	0.40	0.50	ug/L	20.0	126	74-127				
Hexachlorobutadiene	15.7	0.50	0.50	ug/L	20.0	78.4	75-135				
2-Hexanone	15.6	4.0	5.0	ug/L	20.0	78.0	70-130				
Isobutanol	1500	40	100	ug/L	2000	74.8	70-130				
Isopropylbenzene	20.5	0.40	0.50	ug/L	20.0	102	75-116				
p-Isopropyltoluene	19.5	0.40	0.50	ug/L	20.0	97.4	78-124				
Methacrylonitrile	17.1	0.40	1.0	ug/L	20.0	85.4	70-130				
Methylene chloride	19.9	0.50	0.50	ug/L	20.0	99.4	72-132				
Methyl ethyl ketone	33.2	0.70	1.0	ug/L	40.0	82.9	58-157				
Methyl iodide	21.2	0.40	2.0	ug/L	20.0	106	56-167				
Methyl isobutyl ketone	31.1	0.60	1.0	ug/L	40.0	77.8	70-130				
Methyl methacrylate	21.7	0.40	1.0	ug/L	20.0	108	70-130				
Methyl tert-butyl ether	17.4	0.50	0.50	ug/L	20.0	87.2	84-119				
Naphthalene	19.6	0.50	0.50	ug/L	20.0	97.8	84-134				
Propionitrile	895	20	50	ug/L	1000	89.5	70-130				
n-Propylbenzene	20.3	0.40	0.50	ug/L	20.0	101	75-127				
Styrene	20.4	0.40	0.50	ug/L	20.0	102	80-125				
Tert-amyl methyl ether	17.2	0.40	0.50	ug/L	20.0	86.0	74-120				
Tert-butyl alcohol	378	6.0	10	ug/L	400	94.6	66-147				
1,1,1,2-Tetrachloroethane	19.6	0.40	0.50	ug/L	20.0	98.2	80-132				
1,1,2,2-Tetrachloroethane	15.5	0.30	0.50	ug/L	20.0	77.4	70-130				
Tetrachloroethene	20.0	0.40	0.50	ug/L	20.0	100	56-156				
Tetrahydrofuran	19.2	4.0	5.0	ug/L	20.0	96.1	70-130				
Toluene	22.8	0.30	0.30	ug/L	20.0	114	76-137				
1,2,4-Trichlorobenzene	15.2	0.20	0.50	ug/L	20.0	75.9	70-130				
1,2,3-Trichlorobenzene	22.2	0.50	0.50	ug/L	20.0	111	85-133				
1,1,1-Trichloroethane	19.4	0.40	0.50	ug/L	20.0	97.0	70-130				
1,1,2-Trichloroethane	19.8	0.40	0.50	ug/L	20.0	98.8	83-122				
Trichloroethene	21.8	0.40	0.50	ug/L	20.0	109	84-123				
Trichlorofluoromethane	19.5	0.50	0.50	ug/L	20.0	97.6	74-130				
1,2,3-Trichloropropane	18.5	0.40	0.50	ug/L	20.0	92.6	78-122				
Trichlorotrifluoroethane	18.4	0.50	0.50	ug/L	20.0	92.0	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 Amber VOA- HCl
Project Number: Silicone Batch Number 2018050602

Reported:
07/17/18 10:20

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 AG83152 - VOAs in Water GCMS

LCS (AG83152-BS1)

Prepared: 07/01/18 Analyzed: 07/02/18

1,3,5-Trimethylbenzene	20.0	0.30	0.50	ug/L	20.0		99.8	80-125			
Vinyl acetate	28.5	0.80	1.0	ug/L	40.0		71.2	60-140			
Vinyl chloride	18.3	0.40	0.50	ug/L	20.0		91.6	70-130			
m,p-Xylene	45.5	0.50	0.50	ug/L	40.0		114	81-124			
o-Xylene	20.6	0.40	0.50	ug/L	20.0		103	80-126			
Xylenes (total)	66.1	0.50	0.50	ug/L	60.0		110	81-126			
Surrogate: Bromofluorobenzene	29.2			ug/L	25.0		117	70-130			
Surrogate: Dibromofluoromethane	25.1			ug/L	25.0		100	70-130			
Surrogate: Toluene-d8	29.0			ug/L	25.0		116	70-130			

LCS Dup (AG83152-BSD1)

Prepared: 07/01/18 Analyzed: 07/02/18

Acetone	65.5	0.90	5.0	ug/L	80.0		81.8	48-124	3.81	25	
Acetonitrile	1710	50	100	ug/L	2000		85.3	70-130	0.472	25	
Acrylonitrile	18.6	0.40	5.0	ug/L	20.0		93.1	70-130	2.02	25	
Allyl chloride	22.7	0.40	10	ug/L	20.0		114	70-130	0.663	25	
Benzene	19.6	0.30	0.30	ug/L	20.0		98.0	82-122	1.85	25	
Bromobenzene	22.0	0.40	0.50	ug/L	20.0		110	83-122	0.274	25	
Bromochloromethane	20.3	0.40	0.50	ug/L	20.0		102	83-124	8.69	25	
Bromodichloromethane	19.3	0.40	0.50	ug/L	20.0		96.4	86-135	1.78	25	
Bromoform	19.2	0.30	0.50	ug/L	20.0		95.8	76-144	0.524	25	
Bromomethane	23.0	0.40	0.50	ug/L	20.0		115	69-145	14.5	25	
n-Butylbenzene	18.8	0.40	0.50	ug/L	20.0		94.1	79-132	3.35	25	
sec-Butylbenzene	20.6	0.40	0.50	ug/L	20.0		103	86-132	1.61	25	
tert-Butylbenzene	20.4	0.30	0.50	ug/L	20.0		102	82-126	1.08	25	
Carbon disulfide	19.9	0.40	5.0	ug/L	20.0		99.6	70-130	0.705	30	
Carbon tetrachloride	19.1	0.40	0.50	ug/L	20.0		95.6	77-134	1.53	25	
Chlorobenzene	20.3	0.30	0.50	ug/L	20.0		102	84-119	0.791	25	
Chloroethane	18.9	0.40	0.50	ug/L	20.0		94.3	68-133	5.57	25	
Chloroform	19.4	0.40	0.50	ug/L	20.0		97.0	81-122	3.30	25	
Chloromethane	20.3	0.40	0.50	ug/L	20.0		102	63-129	4.00	25	
Chloroprene	22.4	0.40	1.0	ug/L	20.0		112	70-130	6.16	25	
2-Chlorotoluene	21.1	0.40	0.50	ug/L	20.0		105	79-132	0.710	25	
4-Chlorotoluene	20.7	0.30	0.50	ug/L	20.0		104	80-122	1.31	25	
Dibromochloromethane	20.0	0.40	0.50	ug/L	20.0		99.8	83-135	0.450	25	
1,2-Dibromo-3-chloropropane	15.6	0.60	2.0	ug/L	20.0		77.8	73-128	5.21	25	

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Amber VOA- HCl
Project Number: Silicone Batch Number 2018050602

Reported:
07/17/18 10:20

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 AG83152 - VOAs in Water GCMS

LCS Dup (AG83152-BSD1)

Prepared: 07/01/18 Analyzed: 07/02/18

1,2-Dibromoethane (EDB)	20.4	0.40	0.50	ug/L	20.0	102	80-120	0.829	25	
Dibromomethane	19.4	0.40	0.50	ug/L	20.0	97.2	82-124	2.55	25	
1,2-Dichlorobenzene	20.6	0.40	0.50	ug/L	20.0	103	84-121	0.779	25	
1,3-Dichlorobenzene	22.4	0.40	0.50	ug/L	20.0	112	80-120	1.62	25	
1,4-Dichlorobenzene	19.8	0.30	0.50	ug/L	20.0	98.8	84-120	3.66	25	
trans-1,4-Dichloro-2-butene	17.5	0.50	5.0	ug/L	20.0	87.4	70-130	0.172	25	
Dichlorodifluoromethane	20.6	0.40	0.50	ug/L	20.0	103	52-142	4.78	25	
1,1-Dichloroethane	19.2	0.50	0.50	ug/L	20.0	96.0	81-126	2.11	25	
1,2-Dichloroethane	18.7	0.40	0.50	ug/L	20.0	93.6	77-117	0.107	25	
1,1-Dichloroethene	19.0	0.30	0.50	ug/L	20.0	95.2	71-151	1.00	25	
cis-1,2-Dichloroethene	20.3	0.40	0.50	ug/L	20.0	102	84-131	0.394	25	
trans-1,2-Dichloroethene	19.4	0.40	0.50	ug/L	20.0	97.1	79-128	3.62	25	
1,2-Dichloropropane	19.3	0.40	0.50	ug/L	20.0	96.3	82-125	3.49	25	
1,3-Dichloropropane	21.2	0.40	0.50	ug/L	20.0	106	83-120	0.520	25	
2,2-Dichloropropane	18.5	0.50	0.50	ug/L	20.0	92.6	80-125	10.5	25	
1,1-Dichloropropene	21.0	0.40	0.50	ug/L	20.0	105	85-130	4.67	25	
cis-1,3-Dichloropropene	19.5	0.40	0.50	ug/L	20.0	97.4	83-128	2.34	25	
trans-1,3-Dichloropropene	18.3	0.40	0.50	ug/L	20.0	91.6	67-129	2.43	25	
Diethyl ether	19.2	0.50	1.0	ug/L	20.0	96.1	70-130	1.94	25	
Di-isopropyl ether	21.2	0.40	0.50	ug/L	20.0	106	83-132	1.33	25	
Ethanol	995	50	50	ug/L	980	102	50-150	1.99	25	
Ethylbenzene	23.0	0.40	0.50	ug/L	20.0	115	84-124	1.45	25	
Ethyl methacrylate	17.6	0.30	10	ug/L	20.0	87.8	70-130	1.49	25	
Ethyl tert-butyl ether	23.9	0.40	0.50	ug/L	20.0	119	74-127	5.50	25	
Hexachloroethane	19.3	0.40	1.0	ug/L	20.0	96.5	70-130	3.59	25	
Hexachlorobutadiene	16.8	0.50	0.50	ug/L	20.0	84.0	75-135	7.02	25	
2-Hexanone	15.6	4.0	5.0	ug/L	20.0	78.0	70-130	0.0641	30	
Isobutanol	1560	40	100	ug/L	2000	78.0	70-130	4.26	25	
Isopropylbenzene	20.9	0.40	0.50	ug/L	20.0	104	75-116	1.94	25	
p-Isopropyltoluene	19.8	0.40	0.50	ug/L	20.0	99.2	78-124	1.83	25	
Methylene chloride	20.3	0.50	0.50	ug/L	20.0	101	72-132	1.94	25	
Methacrylonitrile	17.6	0.40	1.0	ug/L	20.0	88.0	70-130	3.00	25	
Methyl ethyl ketone	29.2	0.70	1.0	ug/L	40.0	72.9	58-157	12.8	25	
Methyl iodide	27.0	0.40	2.0	ug/L	20.0	135	56-167	23.9	30	

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Amber VOA- HCl
Project Number: Silicone Batch Number 2018050602

Reported:
07/17/18 10:20

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 AG83152 - VOAs in Water GCMS

LCS Dup (AG83152-BSD1)

Prepared: 07/01/18 Analyzed: 07/02/18

Methyl isobutyl ketone	31.8	0.60	1.0	ug/L	40.0	79.5	70-130	2.16	25	
Methyl methacrylate	22.7	0.40	1.0	ug/L	20.0	114	70-130	4.59	25	
Propionitrile	906	20	50	ug/L	1000	90.6	70-130	1.23	25	
Naphthalene	18.8	0.50	0.50	ug/L	20.0	94.1	84-134	3.86	25	
Methyl tert-butyl ether	18.2	0.50	0.50	ug/L	20.0	91.1	84-119	4.37	25	
n-Propylbenzene	20.8	0.40	0.50	ug/L	20.0	104	75-127	2.48	25	
Styrene	21.6	0.40	0.50	ug/L	20.0	108	80-125	6.10	25	
Tert-amyl methyl ether	17.8	0.40	0.50	ug/L	20.0	88.9	74-120	3.26	25	
Tert-butyl alcohol	396	6.0	10	ug/L	400	99.0	66-147	4.48	25	
1,1,1,2-Tetrachloroethane	20.1	0.40	0.50	ug/L	20.0	101	80-132	2.52	25	
1,1,2,2-Tetrachloroethane	16.1	0.30	0.50	ug/L	20.0	80.6	70-130	3.92	25	
Tetrachloroethene	20.7	0.40	0.50	ug/L	20.0	104	56-156	3.68	25	
Tetrahydrofuran	18.9	4.0	5.0	ug/L	20.0	94.5	70-130	1.68	25	
Toluene	23.3	0.30	0.30	ug/L	20.0	116	76-137	1.82	25	
1,2,4-Trichlorobenzene	16.4	0.20	0.50	ug/L	20.0	81.8	70-130	7.54	25	
1,2,3-Trichlorobenzene	22.0	0.50	0.50	ug/L	20.0	110	85-133	0.589	25	
1,1,1-Trichloroethane	20.0	0.40	0.50	ug/L	20.0	100	70-130	2.99	25	
1,1,2-Trichloroethane	19.9	0.40	0.50	ug/L	20.0	99.3	83-122	0.555	25	
Trichloroethene	22.4	0.40	0.50	ug/L	20.0	112	84-123	2.49	25	
Trichlorofluoromethane	18.2	0.50	0.50	ug/L	20.0	91.2	74-130	6.67	25	
1,2,3-Trichloropropane	18.5	0.40	0.50	ug/L	20.0	92.6	78-122	0.00	25	
Trichlorotrifluoroethane	19.1	0.50	0.50	ug/L	20.0	95.4	82-125	3.52	25	
1,2,4-Trimethylbenzene	20.5	0.40	0.50	ug/L	20.0	102	85-127	0.392	25	
1,3,5-Trimethylbenzene	20.2	0.30	0.50	ug/L	20.0	101	80-125	1.29	25	
Vinyl acetate	30.2	0.80	1.0	ug/L	40.0	75.4	60-140	5.80	25	
Vinyl chloride	18.2	0.40	0.50	ug/L	20.0	91.1	70-130	0.493	25	
m,p-Xylene	46.3	0.50	0.50	ug/L	40.0	116	81-124	1.66	25	
o-Xylene	21.0	0.40	0.50	ug/L	20.0	105	80-126	1.83	25	
Xylenes (total)	67.3	0.50	0.50	ug/L	60.0	112	81-126	1.71	25	
Surrogate: Bromofluorobenzene	29.9			ug/L	25.0	119	70-130			
Surrogate: Dibromofluoromethane	25.6			ug/L	25.0	102	70-130			
Surrogate: Toluene-d8	29.5			ug/L	25.0	118	70-130			

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Amber VOA- HCl
Project Number: Silicone Batch Number 2018050602

Reported:
07/17/18 10:20

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 AG83152 - VOAs in Water GCMS

Matrix Spike (AG83152-MS1)

Source: 18F2826-01

Prepared: 07/01/18 Analyzed: 07/02/18

Acetone	75.5	0.90	5.0	ug/L	80.0	ND	94.4	32-164			
Acetonitrile	2160	50	100	ug/L	2000	ND	108	70-130			
Allyl chloride	20.4	0.40	10	ug/L	20.0	ND	102	70-130			
Acrylonitrile	22.9	0.40	5.0	ug/L	20.0	ND	115	70-130			
Benzene	21.5	0.30	0.30	ug/L	20.0	ND	107	58-139			
Bromobenzene	25.6	0.40	0.50	ug/L	20.0	ND	128	63-143			
Bromochloromethane	22.4	0.40	0.50	ug/L	20.0	ND	112	60-141			
Bromodichloromethane	20.9	0.40	0.50	ug/L	20.0	ND	104	62-140			
Bromoform	23.6	0.30	0.50	ug/L	20.0	ND	118	47-165			
Bromomethane	20.5	0.40	0.50	ug/L	20.0	ND	103	30-163			
n-Butylbenzene	21.6	0.40	0.50	ug/L	20.0	ND	108	57-147			
sec-Butylbenzene	25.0	0.40	0.50	ug/L	20.0	ND	125	64-155			
tert-Butylbenzene	23.9	0.30	0.50	ug/L	20.0	ND	120	57-150			
Carbon disulfide	20.8	0.40	5.0	ug/L	20.0	ND	104	70-130			
Carbon tetrachloride	22.2	0.40	0.50	ug/L	20.0	ND	111	65-153			
Chlorobenzene	23.1	0.30	0.50	ug/L	20.0	ND	115	58-137			
Chloroethane	18.9	0.40	0.50	ug/L	20.0	ND	94.6	59-141			
Chloroform	21.2	0.40	0.50	ug/L	20.0	ND	106	36-151			
Chloromethane	20.4	0.40	0.50	ug/L	20.0	1.23	96.1	69-149			
Chloroprene	24.6	0.40	1.0	ug/L	20.0	ND	123	70-130			
2-Chlorotoluene	24.8	0.40	0.50	ug/L	20.0	ND	124	54-150			
4-Chlorotoluene	24.2	0.30	0.50	ug/L	20.0	ND	121	59-140			
Dibromochloromethane	23.0	0.40	0.50	ug/L	20.0	ND	115	54-157			
1,2-Dibromo-3-chloropropane	19.9	0.60	2.0	ug/L	20.0	ND	99.4	54-137			
1,2-Dibromoethane (EDB)	23.6	0.40	0.50	ug/L	20.0	ND	118	40-147			
Dibromomethane	21.8	0.40	0.50	ug/L	20.0	ND	109	59-139			
1,2-Dichlorobenzene	22.7	0.40	0.50	ug/L	20.0	ND	113	39-145			
1,3-Dichlorobenzene	26.3	0.40	0.50	ug/L	20.0	ND	132	54-137			
1,4-Dichlorobenzene	21.5	0.30	0.50	ug/L	20.0	ND	108	41-142			
trans-1,4-Dichloro-2-butene	22.5	0.50	5.0	ug/L	20.0	ND	112	70-130			
Dichlorodifluoromethane	20.7	0.40	0.50	ug/L	20.0	ND	104	39-162			
1,1-Dichloroethane	21.1	0.50	0.50	ug/L	20.0	ND	105	39-146			
1,2-Dichloroethane	21.0	0.40	0.50	ug/L	20.0	ND	105	58-133			
1,1-Dichloroethene	21.7	0.30	0.50	ug/L	20.0	ND	109	70-154			

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Amber VOA- HCl
Project Number: Silicone Batch Number 2018050602

Reported:
07/17/18 10:20

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 AG83152 - VOAs in Water GCMS

Matrix Spike (AG83152-MS1)

Source: 18F2826-01

Prepared: 07/01/18 Analyzed: 07/02/18

cis-1,2-Dichloroethene	23.1	0.40	0.50	ug/L	20.0	ND	115	66-141			
trans-1,2-Dichloroethene	22.1	0.40	0.50	ug/L	20.0	ND	110	59-151			
1,2-Dichloropropane	20.9	0.40	0.50	ug/L	20.0	ND	104	41-142			
1,3-Dichloropropane	24.2	0.40	0.50	ug/L	20.0	ND	121	62-139			
2,2-Dichloropropane	19.4	0.50	0.50	ug/L	20.0	ND	97.2	40-167			
1,1-Dichloropropene	23.9	0.40	0.50	ug/L	20.0	ND	120	58-148			
cis-1,3-Dichloropropene	20.9	0.40	0.50	ug/L	20.0	ND	105	50-140			
trans-1,3-Dichloropropene	20.4	0.40	0.50	ug/L	20.0	ND	102	40-144			
Diethyl ether	21.2	0.50	1.0	ug/L	20.0	ND	106	70-130			
Di-isopropyl ether	23.2	0.40	0.50	ug/L	20.0	ND	116	49-143			
Ethanol	1360	50	50	ug/L	980	ND	139	50-150			
Ethyl methacrylate	20.5	0.30	10	ug/L	20.0	ND	103	70-130			
Ethylbenzene	26.2	0.40	0.50	ug/L	20.0	ND	131	59-147			
Ethyl tert-butyl ether	26.0	0.40	0.50	ug/L	20.0	ND	130	44-143			
Hexachlorobutadiene	20.0	0.50	0.50	ug/L	20.0	ND	100	56-149			
Hexachloroethane	21.5	0.40	1.0	ug/L	20.0	ND	108	70-130			
2-Hexanone	18.4	4.0	5.0	ug/L	20.0	ND	91.9	70-130			
Isobutanol	2130	40	100	ug/L	2000	ND	107	70-130			
Isopropylbenzene	24.7	0.40	0.50	ug/L	20.0	ND	123	56-134			
p-Isopropyltoluene	23.9	0.40	0.50	ug/L	20.0	ND	120	54-148			
Methacrylonitrile	21.3	0.40	1.0	ug/L	20.0	ND	106	70-130			
Methylene chloride	22.8	0.50	0.50	ug/L	20.0	ND	114	43-143			
Methyl ethyl ketone	33.7	0.70	1.0	ug/L	40.0	ND	84.3	62-126			
Methyl iodide	25.2	0.40	2.0	ug/L	20.0	ND	126	70-130			
Methyl isobutyl ketone	39.7	0.60	1.0	ug/L	40.0	ND	99.4	66-127			
Methyl methacrylate	26.4	0.40	1.0	ug/L	20.0	ND	132	70-130			QM-05
Naphthalene	18.5	0.50	0.50	ug/L	20.0	ND	92.3	52-157			
Propionitrile	1130	20	50	ug/L	1000	ND	113	70-130			
Methyl tert-butyl ether	19.1	0.50	0.50	ug/L	20.0	ND	95.7	55-144			
n-Propylbenzene	24.3	0.40	0.50	ug/L	20.0	ND	121	55-145			
Styrene	24.6	0.40	0.50	ug/L	20.0	ND	123	51-157			
Tert-amyl methyl ether	18.9	0.40	0.50	ug/L	20.0	ND	94.3	41-136			
Tert-butyl alcohol	537	6.0	10	ug/L	400	ND	134	38-175			
1,1,1,2-Tetrachloroethane	22.9	0.40	0.50	ug/L	20.0	ND	115	58-146			
1,1,2,2-Tetrachloroethane	24.7	0.30	0.50	ug/L	20.0	ND	124	73-127			

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Amber VOA- HCl
Project Number: Silicone Batch Number 2018050602

Reported:
07/17/18 10:20

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 AG83152 - VOAs in Water GCMS

Matrix Spike (AG83152-MS1)

Source: 18F2826-01

Prepared: 07/01/18 Analyzed: 07/02/18

Tetrachloroethene	23.9	0.40	0.50	ug/L	20.0	ND	120	49-148			
Tetrahydrofuran	20.9	4.0	5.0	ug/L	20.0	ND	104	70-130			
Toluene	26.2	0.30	0.30	ug/L	20.0	ND	131	59-147			
1,2,4-Trichlorobenzene	18.4	0.20	0.50	ug/L	20.0	ND	92.1	50-150			
1,2,3-Trichlorobenzene	19.0	0.50	0.50	ug/L	20.0	ND	95.0	50-161			
1,1,1-Trichloroethane	22.5	0.40	0.50	ug/L	20.0	ND	112	38-164			
1,1,2-Trichloroethane	22.7	0.40	0.50	ug/L	20.0	ND	114	46-136			
Trichloroethene	21.6	0.40	0.50	ug/L	20.0	ND	108	58-140			
Trichlorofluoromethane	17.5	0.50	0.50	ug/L	20.0	ND	87.4	56-144			
1,2,3-Trichloropropane	24.0	0.40	0.50	ug/L	20.0	ND	120	61-139			
Trichlorotrifluoroethane	22.6	0.50	0.50	ug/L	20.0	ND	113	59-139			
1,2,4-Trimethylbenzene	23.4	0.40	0.50	ug/L	20.0	ND	117	58-152			
1,3,5-Trimethylbenzene	23.8	0.30	0.50	ug/L	20.0	ND	119	58-148			
Vinyl acetate	55.3	0.80	1.0	ug/L	40.0	ND	138	70-130			QM-05
Vinyl chloride	18.0	0.40	0.50	ug/L	20.0	ND	90.0	53-160			
m,p-Xylene	53.2	0.50	0.50	ug/L	40.0	ND	133	53-147			
o-Xylene	24.1	0.40	0.50	ug/L	20.0	ND	121	55-148			
Xylenes (total)	77.4	0.50	0.50	ug/L	60.0	ND	129	49-153			
Surrogate: Bromofluorobenzene	30.3			ug/L	25.0		121	70-130			
Surrogate: Dibromofluoromethane	25.7			ug/L	25.0		103	70-130			
Surrogate: Toluene-d8	29.9			ug/L	25.0		120	70-130			

Matrix Spike Dup (AG83152-MSD1)

Source: 18F2826-01

Prepared: 07/01/18 Analyzed: 07/02/18

Acetone	70.5	0.90	5.0	ug/L	80.0	ND	88.2	32-164	6.83	25	
Acetonitrile	2110	50	100	ug/L	2000	ND	106	70-130	2.11	25	
Allyl chloride	21.6	0.40	10	ug/L	20.0	ND	108	70-130	5.52	25	
Acrylonitrile	23.8	0.40	5.0	ug/L	20.0	ND	119	70-130	3.89	25	
Benzene	21.6	0.30	0.30	ug/L	20.0	ND	108	58-139	0.742	25	
Bromobenzene	25.3	0.40	0.50	ug/L	20.0	ND	127	63-143	0.983	25	
Bromochloromethane	20.9	0.40	0.50	ug/L	20.0	ND	104	60-141	7.34	25	
Bromodichloromethane	20.7	0.40	0.50	ug/L	20.0	ND	103	62-140	0.962	25	
Bromoform	22.7	0.30	0.50	ug/L	20.0	ND	114	47-165	3.72	25	
Bromomethane	23.9	0.40	0.50	ug/L	20.0	ND	120	30-163	15.2	25	
n-Butylbenzene	21.1	0.40	0.50	ug/L	20.0	ND	105	57-147	2.30	25	
sec-Butylbenzene	24.0	0.40	0.50	ug/L	20.0	ND	120	64-155	4.08	25	

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Amber VOA- HCl
Project Number: Silicone Batch Number 2018050602

Reported:
07/17/18 10:20

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 AG83152 - VOAs in Water GCMS

Matrix Spike Dup (AG83152-MSD1)

Source: 18F2826-01

Prepared: 07/01/18 Analyzed: 07/02/18

tert-Butylbenzene	23.5	0.30	0.50	ug/L	20.0	ND	118	57-150	1.73	25	
Carbon disulfide	21.1	0.40	5.0	ug/L	20.0	ND	105	70-130	1.48	30	
Carbon tetrachloride	22.4	0.40	0.50	ug/L	20.0	ND	112	65-153	0.628	25	
Chlorobenzene	22.4	0.30	0.50	ug/L	20.0	ND	112	58-137	2.73	25	
Chloroethane	19.8	0.40	0.50	ug/L	20.0	ND	98.8	59-141	4.35	25	
Chloroform	20.8	0.40	0.50	ug/L	20.0	ND	104	36-151	1.95	25	
Chloromethane	19.1	0.40	0.50	ug/L	20.0	1.23	89.2	69-149	6.98	25	
Chloroprene	24.6	0.40	1.0	ug/L	20.0	ND	123	70-130	0.0814	25	
2-Chlorotoluene	23.9	0.40	0.50	ug/L	20.0	ND	119	54-150	3.66	25	
4-Chlorotoluene	23.2	0.30	0.50	ug/L	20.0	ND	116	59-140	4.18	25	
Dibromochloromethane	22.9	0.40	0.50	ug/L	20.0	ND	115	54-157	0.522	25	
1,2-Dibromo-3-chloropropane	20.0	0.60	2.0	ug/L	20.0	ND	99.8	54-137	0.402	25	
1,2-Dibromoethane (EDB)	23.6	0.40	0.50	ug/L	20.0	ND	118	40-147	0.424	25	
Dibromomethane	21.4	0.40	0.50	ug/L	20.0	ND	107	59-139	1.86	25	
1,2-Dichlorobenzene	22.5	0.40	0.50	ug/L	20.0	ND	112	39-145	0.842	25	
1,3-Dichlorobenzene	25.8	0.40	0.50	ug/L	20.0	ND	129	54-137	2.04	25	
1,4-Dichlorobenzene	21.2	0.30	0.50	ug/L	20.0	ND	106	41-142	1.22	25	
trans-1,4-Dichloro-2-butene	20.7	0.50	5.0	ug/L	20.0	ND	103	70-130	8.25	25	
Dichlorodifluoromethane	21.7	0.40	0.50	ug/L	20.0	ND	109	39-162	4.76	25	
1,1-Dichloroethane	21.0	0.50	0.50	ug/L	20.0	ND	105	39-146	0.190	25	
1,2-Dichloroethane	20.8	0.40	0.50	ug/L	20.0	ND	104	58-133	0.767	25	
1,1-Dichloroethene	22.1	0.30	0.50	ug/L	20.0	ND	110	70-154	1.64	25	
cis-1,2-Dichloroethene	22.8	0.40	0.50	ug/L	20.0	ND	114	66-141	1.18	25	
trans-1,2-Dichloroethene	22.0	0.40	0.50	ug/L	20.0	ND	110	59-151	0.545	25	
1,2-Dichloropropane	20.8	0.40	0.50	ug/L	20.0	ND	104	41-142	0.528	25	
1,3-Dichloropropane	23.7	0.40	0.50	ug/L	20.0	ND	118	62-139	2.17	25	
2,2-Dichloropropane	19.6	0.50	0.50	ug/L	20.0	ND	98.0	40-167	0.768	25	
1,1-Dichloropropene	23.6	0.40	0.50	ug/L	20.0	ND	118	58-148	1.18	25	
cis-1,3-Dichloropropene	21.2	0.40	0.50	ug/L	20.0	ND	106	50-140	1.57	25	
trans-1,3-Dichloropropene	20.2	0.40	0.50	ug/L	20.0	ND	101	40-144	1.03	25	
Diethyl ether	21.4	0.50	1.0	ug/L	20.0	ND	107	70-130	0.751	25	
Di-isopropyl ether	23.3	0.40	0.50	ug/L	20.0	ND	117	49-143	0.258	25	
Ethyl methacrylate	20.7	0.30	10	ug/L	20.0	ND	104	70-130	0.922	25	
Ethylbenzene	25.7	0.40	0.50	ug/L	20.0	ND	129	59-147	1.89	25	

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Amber VOA- HCl
Project Number: Silicone Batch Number 2018050602

Reported:
07/17/18 10:20

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 AG83152 - VOAs in Water GCMS

Matrix Spike Dup (AG83152-MSD1)

Source: 18F2826-01

Prepared: 07/01/18 Analyzed: 07/02/18

Ethanol	1200	50	50	ug/L	980	ND	122	50-150	12.6	25	
Ethyl tert-butyl ether	26.1	0.40	0.50	ug/L	20.0	ND	131	44-143	0.422	25	
Hexachloroethane	21.6	0.40	1.0	ug/L	20.0	ND	108	70-130	0.139	25	
Hexachlorobutadiene	20.3	0.50	0.50	ug/L	20.0	ND	101	56-149	1.19	25	
2-Hexanone	18.2	4.0	5.0	ug/L	20.0	ND	90.9	70-130	1.09	30	
Isopropylbenzene	23.8	0.40	0.50	ug/L	20.0	ND	119	56-134	3.55	25	
Isobutanol	2070	40	100	ug/L	2000	ND	103	70-130	3.02	25	
p-Isopropyltoluene	23.2	0.40	0.50	ug/L	20.0	ND	116	54-148	3.14	25	
Methylene chloride	22.8	0.50	0.50	ug/L	20.0	ND	114	43-143	0.395	25	
Methacrylonitrile	21.2	0.40	1.0	ug/L	20.0	ND	106	70-130	0.235	25	
Methyl ethyl ketone	33.9	0.70	1.0	ug/L	40.0	ND	84.6	62-126	0.444	25	
Methyl iodide	26.1	0.40	2.0	ug/L	20.0	ND	130	70-130	3.51	30	
Methyl isobutyl ketone	38.7	0.60	1.0	ug/L	40.0	ND	96.7	66-127	2.70	25	
Methyl methacrylate	27.1	0.40	1.0	ug/L	20.0	ND	136	70-130	2.77	25	QM-05
Propionitrile	1120	20	50	ug/L	1000	ND	112	70-130	1.39	25	
Methyl tert-butyl ether	19.6	0.50	0.50	ug/L	20.0	ND	97.8	55-144	2.12	25	
Naphthalene	18.7	0.50	0.50	ug/L	20.0	ND	93.3	52-157	1.08	25	
n-Propylbenzene	24.0	0.40	0.50	ug/L	20.0	ND	120	55-145	1.16	25	
Styrene	23.6	0.40	0.50	ug/L	20.0	ND	118	51-157	4.19	25	
Tert-amyl methyl ether	19.1	0.40	0.50	ug/L	20.0	ND	95.4	41-136	1.16	25	
Tert-butyl alcohol	545	6.0	10	ug/L	400	ND	136	38-175	1.41	25	
1,1,1,2-Tetrachloroethane	22.5	0.40	0.50	ug/L	20.0	ND	112	58-146	2.07	25	
1,1,2,2-Tetrachloroethane	23.5	0.30	0.50	ug/L	20.0	ND	118	73-127	5.14	25	
Tetrachloroethene	24.4	0.40	0.50	ug/L	20.0	ND	122	49-148	1.74	25	
Tetrahydrofuran	23.8	4.0	5.0	ug/L	20.0	ND	119	70-130	13.2	25	
Toluene	25.7	0.30	0.30	ug/L	20.0	ND	129	59-147	1.73	25	
1,2,3-Trichlorobenzene	20.0	0.50	0.50	ug/L	20.0	ND	99.8	50-161	4.98	25	
1,2,4-Trichlorobenzene	18.8	0.20	0.50	ug/L	20.0	ND	93.9	50-150	1.94	25	
1,1,1-Trichloroethane	22.8	0.40	0.50	ug/L	20.0	ND	114	38-164	1.28	25	
1,1,2-Trichloroethane	22.1	0.40	0.50	ug/L	20.0	ND	111	46-136	2.72	25	
Trichloroethene	22.0	0.40	0.50	ug/L	20.0	ND	110	58-140	1.61	25	
Trichlorofluoromethane	18.0	0.50	0.50	ug/L	20.0	ND	90.2	56-144	3.21	25	
1,2,3-Trichloropropane	22.5	0.40	0.50	ug/L	20.0	ND	112	61-139	6.50	25	
Trichlorotrifluoroethane	21.9	0.50	0.50	ug/L	20.0	ND	110	59-139	3.14	25	
1,2,4-Trimethylbenzene	22.8	0.40	0.50	ug/L	20.0	ND	114	58-152	2.81	25	

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Amber VOA- HCl
Project Number: Silicone Batch Number 2018050602

Reported:
07/17/18 10:20

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 AG83152 - VOAs in Water GCMS

Matrix Spike Dup (AG83152-MSD1)

Source: 18F2826-01

Prepared: 07/01/18 Analyzed: 07/02/18

1,3,5-Trimethylbenzene	23.1	0.30	0.50	ug/L	20.0	ND	115	58-148	3.11	25	
Vinyl acetate	55.9	0.80	1.0	ug/L	40.0	ND	140	70-130	1.04	25	QM-05
Vinyl chloride	17.7	0.40	0.50	ug/L	20.0	ND	88.4	53-160	1.85	25	
m,p-Xylene	51.8	0.50	0.50	ug/L	40.0	ND	130	53-147	2.70	25	
o-Xylene	23.8	0.40	0.50	ug/L	20.0	ND	119	55-148	1.63	25	
Xylenes (total)	75.6	0.50	0.50	ug/L	60.0	ND	126	49-153	2.37	25	
Surrogate: Bromofluorobenzene	30.0			ug/L	25.0		120	70-130			
Surrogate: Dibromofluoromethane	26.1			ug/L	25.0		104	70-130			
Surrogate: Toluene-d8	29.8			ug/L	25.0		119	70-130			



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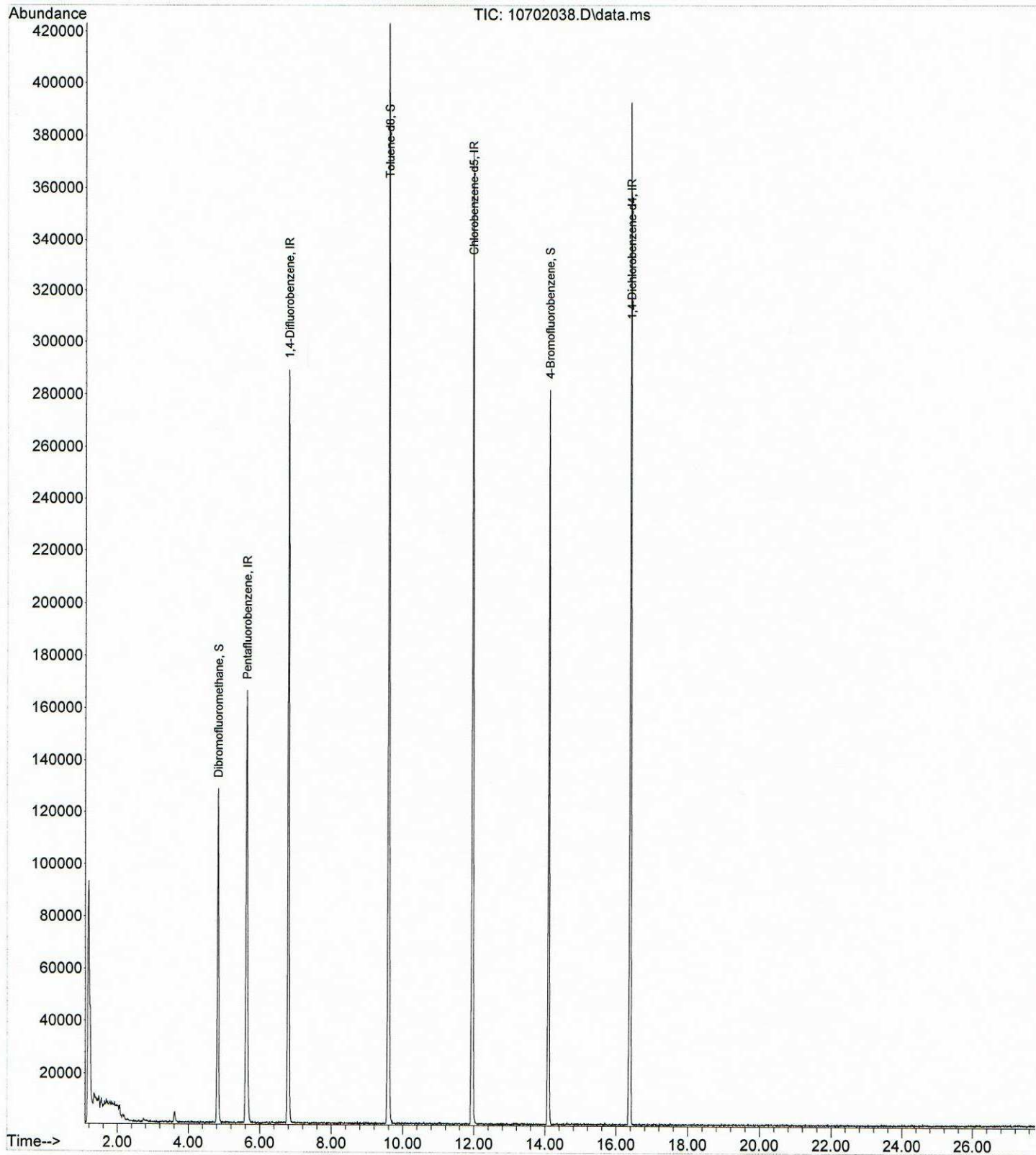
Project Manager: Quality Control Manager
Project: QC- 40ml Amber VOA- HCl
Project Number: Silicone Batch Number 2018050602

Reported:
07/17/18 10:20

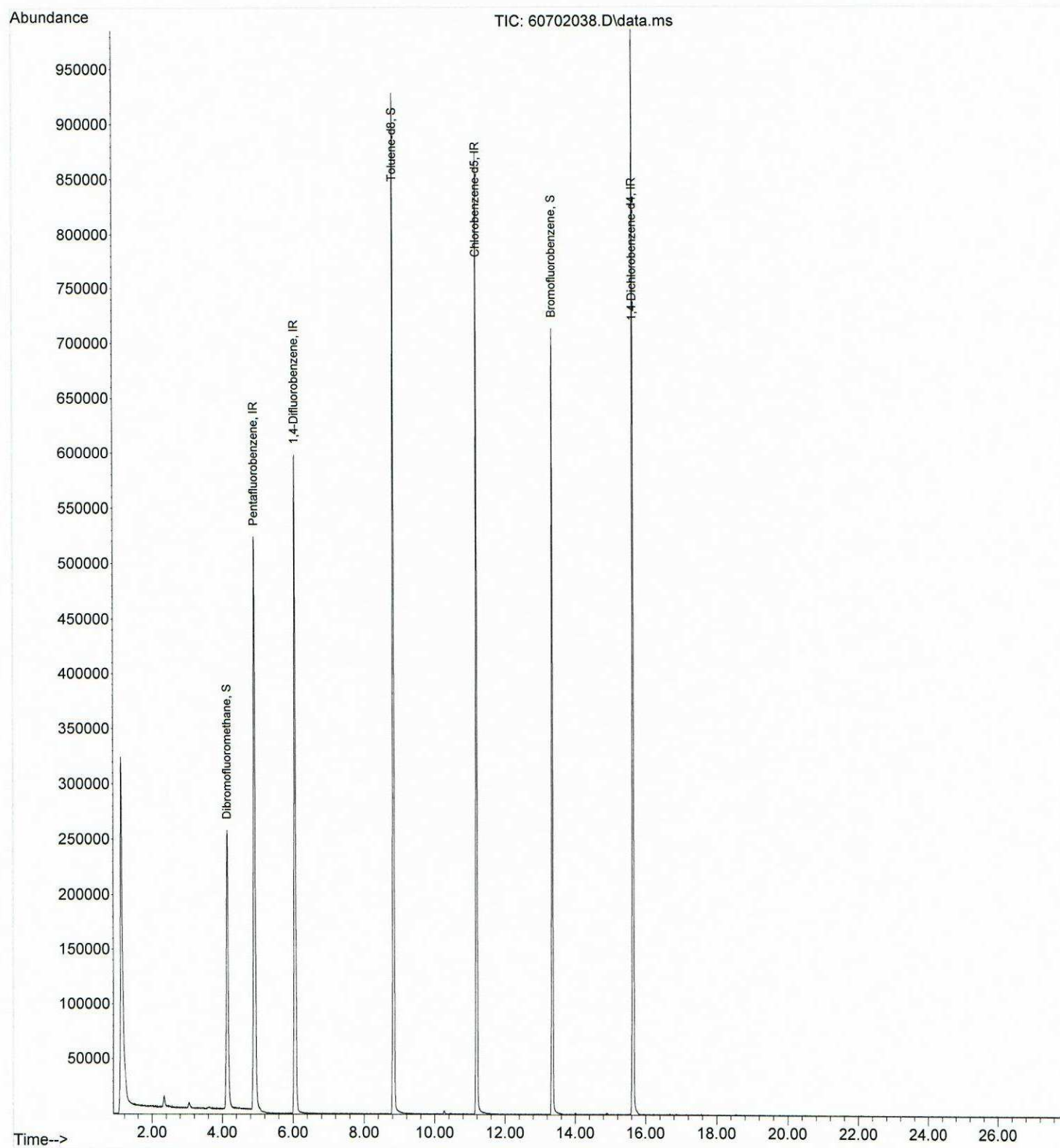
Notes and Definitions

- 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

File :D:\Data\070218\10702038.D
Operator : MM
Acquired : 2 Jul 2018 10:23 am using AcqMethod MS1INS.M
Instrument : GCMS1
Sample Name: 18F2741-01
Misc Info :
Vial Number: 38



File :D:\MassHunter\GCMS\1\data\070218\60702038.D
Operator : JV/NBH
Acquired : 03 Jul 2018 03:35 pm using AcqMethod MS6INS.M
Instrument : GCMS6
Sample Name: 18F2741-02
Misc Info :
Vial Number: 38





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Chain of Custody Record

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

Lab No. 18F2741 Page of

Report to: Company: Sample Traps LLC Attn: Quality Control Manager Address: Phone/Fax: Email Address: admin@sampletraps.com		Invoice to (if different): Company: Attn: Address: Phone/Fax: Email Address:		Project Info for Report: Project ID: QC- 40ml Amber VOA Vial (HCL) Project No: Silicone Batch Number 2018050602 PO/Reference :		Signature below authorizes work under terms stated on reverse side.																
Samplers Signature: Print:		Container: 40ml VOA Poly Glass bottle Glass Jar		Preservative: HCL Methanol Na Bisulfate Other None		Matrix: Water Container		Total Number of Containers		Analyses Requested										TAT 10 days <input type="radio"/> RUSH: 5 days <input type="radio"/> 48 hours <input type="radio"/> Other: <input type="radio"/> days	Lab Approval Required For Rush TATs	Sample Notes (lab use only) Temperature: deg. C Shipment Method: Custody Seals: Y / N
										8260 Sample Traps 524.2 Sample Traps i-flags include chromatograph with report												
Sample Identification		Sampled: Date Time																				
A8177CVBS - 01.		6/28		x		x		2		x												
A8177CVBS - 02		6/28		x		x		2		x												
please use Ukiah reagent water for the analysis																						
Relinquished by: Per BAL		Received by: <i>[Signature]</i>		Date: 6-28-18		Time: 1200		CDPH Write On EDT Transmission? <input type="radio"/> Yes <input type="radio"/> No														
								State System Number: _____														
								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: _____														
								Mileage: _____														
								Misc. Supplies: _____														