



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

27 September 2018

Sample Traps, LLC

Attn: Quality Control Manager

262 Rickenbacker Circle

Livermore, CA 94551

RE: QC- 40ml Amber VOA- HCl

Work Order: 1811078

Enclosed are the results of analyses for samples received by the laboratory on 09/12/18 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 Amber VOA- HCl
Project Number: Silicone Batch Number 2018061002

Reported:
09/27/18 09:25

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
A8254CVBS-01	1811078-01	Water	09/12/18 00:00	09/12/18 08:00
A8254CVBS-02	1811078-02	Water	09/12/18 00:00	09/12/18 08:00



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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 2018061002

Reported:
09/27/18 09:25

Volatile Organic Compounds by EPA Method 524.2

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
A8254CVBS-02 (1811078-02) Water Sampled: 09/12/18 00:00 Received: 09/12/18 08:00												
Acetone	ND	2.0	5.0		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
Acrylonitrile	ND	0.40	5.0		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
Benzene	ND	0.30	0.30		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
Bromobenzene	ND	0.20	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
Bromochloromethane	ND	0.40	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
Bromodichloromethane	ND	0.20	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
Bromoform	ND	0.30	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
Bromomethane	ND	0.40	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
n-Butylbenzene	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
sec-Butylbenzene	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
tert-Butylbenzene	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
Carbon disulfide	ND	0.40	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
Carbon tetrachloride	ND	0.30	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
Chlorobenzene	ND	0.20	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
Chloroethane	ND	0.30	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
Chloroform	ND	0.30	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
Chloromethane	ND	0.40	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
2-Chlorotoluene	ND	0.20	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
4-Chlorotoluene	ND	0.20	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
Dibromochloromethane	ND	0.30	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
1,2-Dibromo-3-chloropropane	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
1,2-Dibromoethane (EDB)	ND	0.20	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
Dibromomethane	ND	0.20	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
1,2-Dichlorobenzene	ND	0.20	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
1,3-Dichlorobenzene	ND	0.20	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
1,4-Dichlorobenzene	ND	0.20	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
trans-1,4-Dichloro-2-butene	ND	0.90	5.0		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
Dichlorodifluoromethane	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
1,1-Dichloroethane	ND	0.20	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
1,2-Dichloroethane	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
1,1-Dichloroethene	ND	0.30	0.30		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
cis-1,2-Dichloroethene	ND	0.40	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
trans-1,2-Dichloroethene	ND	0.40	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
1,2-Dichloropropane	ND	0.20	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	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 2018061002

Reported:
09/27/18 09:25

Volatile Organic Compounds by EPA Method 524.2

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
A8254CVBS-02 (1811078-02) Water Sampled: 09/12/18 00:00 Received: 09/12/18 08:00												
1,3-Dichloropropane	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
2,2-Dichloropropane	ND	0.30	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
1,1-Dichloropropene	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
cis-1,3-Dichloropropene	ND	0.30	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
trans-1,3-Dichloropropene	ND	0.30	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
1,3-Dichloropropene (total)	ND	0.30	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
2-Hexanone	ND	0.50	5.0		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
Ethylbenzene	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
Hexachlorobutadiene	ND	0.40	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
Isopropylbenzene	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
p-Isopropyltoluene	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
Methyl ethyl ketone	ND	0.60	1.0		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
Methyl iodide	ND	0.40	2.0		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
Methyl isobutyl ketone	ND	0.80	1.0		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
Methylene chloride	ND	0.40	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
Naphthalene	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
n-Propylbenzene	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
Styrene	ND	0.20	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
1,1,1,2-Tetrachloroethane	ND	0.40	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
1,1,2,2-Tetrachloroethane	ND	0.20	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
Tetrachloroethene	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
Toluene	ND	0.30	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
1,2,3-Trichlorobenzene	ND	0.40	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
1,2,4-Trichlorobenzene	ND	0.40	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
1,1,1-Trichloroethane	ND	0.40	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
1,1,2-Trichloroethane	ND	0.20	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
Trichloroethene	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
Trichlorofluoromethane	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
Trichlorotrifluoroethane	ND	0.40	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
1,2,3-Trichloropropane	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
1,2,4-Trimethylbenzene	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
1,3,5-Trimethylbenzene	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
Vinyl chloride	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
m,p-Xylene	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	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 2018061002

Reported:
09/27/18 09:25

Volatile Organic Compounds by EPA Method 524.2

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
A8254CVBS-02 (1811078-02) Water Sampled: 09/12/18 00:00 Received: 09/12/18 08:00												
o-Xylene	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
Xylenes (total)	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
Trihalomethanes (total)	ND	0.30	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
Methyl tert-butyl ether	ND	0.50	3.0		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
Ethyl tert-butyl ether	ND	0.40	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
Tert-amyl methyl ether	ND	0.30	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	U
Surrogate: Bromofluorobenzene		101 %		70-130			A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	
Surrogate: Dibromofluoromethane		83.3 %		70-130			A183963	09/22/18 11:00	09/22/18 15:37	EPA 524.2	JV	
Surrogate: Toluene-d8		109 %		70-130			A183963	09/22/18 11:00	09/22/18 15:37	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 2018061002

Reported:
09/27/18 09:25

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
A8254CVBS-01 (1811078-01) Water Sampled: 09/12/18 00:00 Received: 09/12/18 08:00												
Acetone	ND	0.90	5.0		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Acetonitrile	ND	50	100		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Acrylonitrile	ND	0.40	5.0		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Allyl chloride	ND	0.40	10		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Benzene	ND	0.30	0.30		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Bromobenzene	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Bromochloromethane	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Bromodichloromethane	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Bromoform	ND	0.30	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Bromomethane	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
n-Butylbenzene	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
sec-Butylbenzene	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
tert-Butylbenzene	ND	0.30	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Carbon disulfide	ND	0.40	5.0		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Carbon tetrachloride	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Chlorobenzene	ND	0.30	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Chloroethane	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Chloroform	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Chloromethane	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Chloroprene	ND	0.40	1.0		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
2-Chlorotoluene	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
4-Chlorotoluene	ND	0.30	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Dibromochloromethane	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
1,2-Dibromo-3-chloropropane	ND	0.60	2.0		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
1,2-Dibromoethane (EDB)	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Dibromomethane	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
1,2-Dichlorobenzene	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
1,3-Dichlorobenzene	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
1,4-Dichlorobenzene	ND	0.30	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
trans-1,4-Dichloro-2-butene	ND	0.50	5.0		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Dichlorodifluoromethane	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
1,1-Dichloroethane	ND	0.50	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
1,2-Dichloroethane	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
1,1-Dichloroethene	ND	0.30	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Amber VOA- HCl
Project Number: Silicone Batch Number 2018061002

Reported:
09/27/18 09:25

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
A8254CVBS-01 (1811078-01) Water Sampled: 09/12/18 00:00 Received: 09/12/18 08:00												
cis-1,2-Dichloroethene	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
trans-1,2-Dichloroethene	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
1,2-Dichloropropane	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
1,3-Dichloropropane	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
2,2-Dichloropropane	ND	0.50	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
1,1-Dichloropropene	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
cis-1,3-Dichloropropene	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
trans-1,3-Dichloropropene	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Diethyl ether	ND	0.50	1.0		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Di-isopropyl ether	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Ethanol	ND	50	50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Ethyl methacrylate	ND	0.30	10		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Ethylbenzene	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Ethyl tert-butyl ether	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Hexachlorobutadiene	ND	0.50	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Hexachloroethane	ND	0.40	1.0		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
2-Hexanone	ND	4.0	5.0		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Isobutanol	ND	40	100		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Isopropylbenzene	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
p-Isopropyltoluene	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Methacrylonitrile	ND	0.40	1.0		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Methylene chloride	ND	0.50	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Methyl ethyl ketone	ND	0.70	1.0		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Methyl iodide	ND	0.40	2.0		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Methyl isobutyl ketone	ND	0.60	1.0		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Methyl methacrylate	ND	0.40	1.0		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Methyl tert-butyl ether	ND	0.50	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Naphthalene	ND	0.50	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Propionitrile	ND	20	50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
n-Propylbenzene	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Styrene	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Tert-amyl methyl ether	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Tert-butyl alcohol	ND	6.0	10		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
1,1,1,2-Tetrachloroethane	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U

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Sample Traps, LLC
262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Amber VOA- HCl
Project Number: Silicone Batch Number 2018061002

Reported:
09/27/18 09:25

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
A8254CVBS-01 (1811078-01) Water Sampled: 09/12/18 00:00 Received: 09/12/18 08:00												
1,1,2,2-Tetrachloroethane	ND	0.30	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Tetrachloroethene	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Tetrahydrofuran	ND	4.0	5.0		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Toluene	ND	0.30	0.30		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
1,2,3-Trichlorobenzene	ND	0.50	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
1,2,4-Trichlorobenzene	ND	0.20	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
1,1,1-Trichloroethane	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
1,1,2-Trichloroethane	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Trichloroethene	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Trichlorofluoromethane	ND	0.50	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
1,2,3-Trichloropropane	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Trichlorotrifluoroethane	ND	0.50	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
1,2,4-Trimethylbenzene	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
1,3,5-Trimethylbenzene	ND	0.30	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Vinyl acetate	ND	0.80	1.0		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Vinyl chloride	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
m,p-Xylene	ND	0.50	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
o-Xylene	ND	0.40	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Xylenes (total)	ND	0.50	0.50		ug/L	1	A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	U
Surrogate: Bromofluorobenzene			117 %				A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	
Surrogate: Dibromofluoromethane			111 %				A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	JV	
Surrogate: Toluene-d8			124 %				A183776	09/19/18 15:00	09/20/18 03:05	EPA 8260	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 2018061002

Reported:
09/27/18 09:25

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 AI83963 - VOAs in Water GCMS

Blank (AI83963-BLK1)

Prepared: 09/21/18 Analyzed: 09/22/18

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 2018061002

Reported:
09/27/18 09:25

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 AI83963 - VOAs in Water GCMS

Blank (AI83963-BLK1)

Prepared: 09/21/18 Analyzed: 09/22/18

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 2018061002

Reported:
09/27/18 09:25

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 AI83963 - VOAs in Water GCMS

Blank (AI83963-BLK1)

Prepared: 09/21/18 Analyzed: 09/22/18

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	25.5			ug/L	25.0		102	70-130			
Surrogate: Dibromofluoromethane	22.2			ug/L	25.0		89.0	70-130			
Surrogate: Toluene-d8	27.6			ug/L	25.0		110	70-130			

LCS (AI83963-BS1)

Prepared: 09/21/18 Analyzed: 09/22/18

Acetone	20.4	2.0	5.0	ug/L	20.0		102	70-130			
Acrylonitrile	4.69	0.40	5.0	ug/L	5.00		93.8	70-130			J
Benzene	4.74	0.30	0.30	ug/L	5.00		94.8	70-130			
Bromobenzene	5.50	0.20	0.50	ug/L	5.00		110	70-130			
Bromochloromethane	4.83	0.40	0.50	ug/L	5.00		96.6	70-130			
Bromodichloromethane	4.88	0.20	0.50	ug/L	5.00		97.6	70-130			
Bromoform	5.00	0.30	0.50	ug/L	5.00		100	70-130			
Bromomethane	4.88	0.40	0.50	ug/L	5.00		97.6	70-130			
n-Butylbenzene	5.13	0.50	0.50	ug/L	5.00		103	70-130			
sec-Butylbenzene	5.39	0.50	0.50	ug/L	5.00		108	70-130			
tert-Butylbenzene	5.03	0.50	0.50	ug/L	5.00		101	70-130			
Carbon disulfide	4.10	0.40	0.50	ug/L	5.00		82.0	70-130			
Carbon tetrachloride	4.22	0.30	0.50	ug/L	5.00		84.4	70-130			
Chlorobenzene	5.32	0.20	0.50	ug/L	5.00		106	70-130			
Chloroethane	4.64	0.30	0.50	ug/L	5.00		92.8	70-130			
Chloroform	4.58	0.30	0.50	ug/L	5.00		91.6	70-130			
Chloromethane	5.48	0.40	0.50	ug/L	5.00		110	70-130			
2-Chlorotoluene	5.65	0.20	0.50	ug/L	5.00		113	70-130			
4-Chlorotoluene	5.29	0.20	0.50	ug/L	5.00		106	70-130			
Dibromochloromethane	5.40	0.30	0.50	ug/L	5.00		108	70-130			
1,2-Dibromo-3-chloropropane	4.92	0.50	0.50	ug/L	5.00		98.4	70-130			
1,2-Dibromoethane (EDB)	5.39	0.20	0.50	ug/L	5.00		108	70-130			
Dibromomethane	4.82	0.20	0.50	ug/L	5.00		96.4	70-130			
1,2-Dichlorobenzene	5.34	0.20	0.50	ug/L	5.00		107	70-130			
1,3-Dichlorobenzene	5.29	0.20	0.50	ug/L	5.00		106	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 2018061002

Reported:
09/27/18 09:25

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 AI83963 - VOAs in Water GCMS

LCS (AI83963-BS1)

Prepared: 09/21/18 Analyzed: 09/22/18

trans-1,4-Dichloro-2-butene	4.22	0.90	5.0	ug/L	5.00		84.4	70-130			J
1,4-Dichlorobenzene	5.17	0.20	0.50	ug/L	5.00		103	70-130			
Dichlorodifluoromethane	5.78	0.50	0.50	ug/L	5.00		116	70-130			
1,1-Dichloroethane	4.82	0.20	0.50	ug/L	5.00		96.4	70-130			
1,2-Dichloroethane	4.84	0.50	0.50	ug/L	5.00		96.8	70-130			
1,1-Dichloroethene	4.36	0.30	0.30	ug/L	5.00		87.2	70-130			
cis-1,2-Dichloroethene	4.67	0.40	0.50	ug/L	5.00		93.4	70-130			
trans-1,2-Dichloroethene	4.65	0.40	0.50	ug/L	5.00		93.0	70-130			
1,2-Dichloropropane	4.70	0.20	0.50	ug/L	5.00		94.0	70-130			
1,3-Dichloropropane	5.54	0.50	0.50	ug/L	5.00		111	70-130			
2,2-Dichloropropane	3.88	0.30	0.50	ug/L	5.00		77.6	70-130			
1,1-Dichloropropene	4.99	0.50	0.50	ug/L	5.00		99.8	70-130			
cis-1,3-Dichloropropene	4.10	0.30	0.50	ug/L	5.00		82.0	70-130			
trans-1,3-Dichloropropene	4.50	0.30	0.50	ug/L	5.00		90.0	70-130			
Ethylbenzene	5.18	0.50	0.50	ug/L	5.00		104	70-130			
2-Hexanone	4.81	0.50	5.0	ug/L	5.00		96.2	70-130			J
Hexachlorobutadiene	5.40	0.40	0.50	ug/L	5.00		108	70-130			
Isopropylbenzene	5.27	0.50	0.50	ug/L	5.00		105	70-130			
p-Isopropyltoluene	5.05	0.50	0.50	ug/L	5.00		101	70-130			
Methyl ethyl ketone	9.27	0.60	1.0	ug/L	10.0		92.7	70-130			
Methyl iodide	4.61	0.40	2.0	ug/L	5.00		92.2	70-130			
Methyl isobutyl ketone	10.3	0.80	1.0	ug/L	10.0		103	70-130			
Methylene chloride	4.48	0.40	0.50	ug/L	5.00		89.6	70-130			
Naphthalene	4.92	0.50	0.50	ug/L	5.00		98.4	70-130			
n-Propylbenzene	5.00	0.50	0.50	ug/L	5.00		100	70-130			
Styrene	5.04	0.20	0.50	ug/L	5.00		101	70-130			
1,1,1,2-Tetrachloroethane	5.23	0.40	0.50	ug/L	5.00		105	70-130			
1,1,2,2-Tetrachloroethane	5.16	0.20	0.50	ug/L	5.00		103	70-130			
Tetrachloroethene	5.14	0.50	0.50	ug/L	5.00		103	70-130			
Toluene	5.49	0.30	0.50	ug/L	5.00		110	70-130			
1,2,3-Trichlorobenzene	5.90	0.40	0.50	ug/L	5.00		118	70-130			
1,2,4-Trichlorobenzene	5.62	0.40	0.50	ug/L	5.00		112	70-130			
1,1,1-Trichloroethane	4.65	0.40	0.50	ug/L	5.00		93.0	70-130			
1,1,2-Trichloroethane	5.42	0.20	0.50	ug/L	5.00		108	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 2018061002

Reported:
09/27/18 09:25

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 AI83963 - VOAs in Water GCMS

LCS (AI83963-BS1)

Prepared: 09/21/18 Analyzed: 09/22/18

Trichloroethene	4.71	0.50	0.50	ug/L	5.00		94.2	70-130			
Trichlorofluoromethane	4.73	0.50	0.50	ug/L	5.00		94.6	70-130			
Trichlorotrifluoroethane	4.64	0.40	0.50	ug/L	5.00		92.8	70-130			
1,2,3-Trichloropropane	5.53	0.50	0.50	ug/L	5.00		111	70-130			
1,2,4-Trimethylbenzene	4.77	0.50	0.50	ug/L	5.00		95.4	70-130			
1,3,5-Trimethylbenzene	4.98	0.50	0.50	ug/L	5.00		99.6	70-130			
Vinyl chloride	4.79	0.50	0.50	ug/L	5.00		95.8	70-130			
m,p-Xylene	10.8	0.50	0.50	ug/L	10.0		108	70-130			
o-Xylene	5.47	0.50	0.50	ug/L	5.00		109	70-130			
Xylenes (total)	16.3	0.50	0.50	ug/L	15.0		109	70-130			
Methyl tert-butyl ether	4.45	0.50	3.0	ug/L	5.00		89.0	70-130			
Ethyl tert-butyl ether	5.56	0.40	0.50	ug/L	5.00		111	70-130			
Tert-amyl methyl ether	4.64	0.30	0.50	ug/L	5.00		92.8	70-130			
Surrogate: Bromofluorobenzene	26.8			ug/L	25.0		107	70-130			
Surrogate: Dibromofluoromethane	22.2			ug/L	25.0		88.8	70-130			
Surrogate: Toluene-d8	27.1			ug/L	25.0		108	70-130			

LCS Dup (AI83963-BSD1)

Prepared: 09/21/18 Analyzed: 09/22/18

Acetone	21.2	2.0	5.0	ug/L	20.0		106	70-130	3.85	30	
Acrylonitrile	4.27	0.40	5.0	ug/L	5.00		85.4	70-130	9.38	30	J
Benzene	4.40	0.30	0.30	ug/L	5.00		88.0	70-130	7.44	30	
Bromobenzene	5.31	0.20	0.50	ug/L	5.00		106	70-130	3.52	30	
Bromochloromethane	4.54	0.40	0.50	ug/L	5.00		90.8	70-130	6.19	30	
Bromodichloromethane	4.57	0.20	0.50	ug/L	5.00		91.4	70-130	6.56	30	
Bromoform	4.74	0.30	0.50	ug/L	5.00		94.8	70-130	5.34	30	
Bromomethane	4.70	0.40	0.50	ug/L	5.00		94.0	70-130	3.76	30	
n-Butylbenzene	4.98	0.50	0.50	ug/L	5.00		99.6	70-130	2.97	30	
sec-Butylbenzene	5.15	0.50	0.50	ug/L	5.00		103	70-130	4.55	30	
tert-Butylbenzene	4.80	0.50	0.50	ug/L	5.00		96.0	70-130	4.68	30	
Carbon disulfide	3.91	0.40	0.50	ug/L	5.00		78.2	70-130	4.74	30	
Carbon tetrachloride	3.97	0.30	0.50	ug/L	5.00		79.4	70-130	6.10	30	
Chlorobenzene	5.10	0.20	0.50	ug/L	5.00		102	70-130	4.22	30	
Chloroethane	4.33	0.30	0.50	ug/L	5.00		86.6	70-130	6.91	30	
Chloroform	4.28	0.30	0.50	ug/L	5.00		85.6	70-130	6.77	30	
Chloromethane	5.48	0.40	0.50	ug/L	5.00		110	70-130	0.00	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 2018061002

Reported:
09/27/18 09:25

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 AI83963 - VOAs in Water GCMS

LCS Dup (AI83963-BSD1)

Prepared: 09/21/18 Analyzed: 09/22/18

2-Chlorotoluene	5.47	0.20	0.50	ug/L	5.00		109	70-130	3.24	30	
4-Chlorotoluene	5.07	0.20	0.50	ug/L	5.00		101	70-130	4.25	30	
Dibromochloromethane	5.11	0.30	0.50	ug/L	5.00		102	70-130	5.52	30	
1,2-Dibromo-3-chloropropane	5.07	0.50	0.50	ug/L	5.00		101	70-130	3.00	25	
1,2-Dibromoethane (EDB)	5.13	0.20	0.50	ug/L	5.00		103	70-130	4.94	25	
Dibromomethane	4.54	0.20	0.50	ug/L	5.00		90.8	70-130	5.98	30	
1,2-Dichlorobenzene	5.11	0.20	0.50	ug/L	5.00		102	70-130	4.40	30	
1,3-Dichlorobenzene	5.08	0.20	0.50	ug/L	5.00		102	70-130	4.05	30	
trans-1,4-Dichloro-2-butene	3.93	0.90	5.0	ug/L	5.00		78.6	70-130	7.12	25	J
1,4-Dichlorobenzene	5.02	0.20	0.50	ug/L	5.00		100	70-130	2.94	30	
Dichlorodifluoromethane	5.35	0.50	0.50	ug/L	5.00		107	70-130	7.73	30	
1,1-Dichloroethane	4.51	0.20	0.50	ug/L	5.00		90.2	70-130	6.65	30	
1,2-Dichloroethane	4.51	0.50	0.50	ug/L	5.00		90.2	70-130	7.06	30	
1,1-Dichloroethene	4.02	0.30	0.30	ug/L	5.00		80.4	70-130	8.11	30	
cis-1,2-Dichloroethene	4.41	0.40	0.50	ug/L	5.00		88.2	70-130	5.73	30	
trans-1,2-Dichloroethene	4.42	0.40	0.50	ug/L	5.00		88.4	70-130	5.07	30	
1,2-Dichloropropane	4.46	0.20	0.50	ug/L	5.00		89.2	70-130	5.24	30	
1,3-Dichloropropane	5.23	0.50	0.50	ug/L	5.00		105	70-130	5.76	30	
2,2-Dichloropropane	3.64	0.30	0.50	ug/L	5.00		72.8	70-130	6.38	30	
1,1-Dichloropropene	4.66	0.50	0.50	ug/L	5.00		93.2	70-130	6.84	30	
cis-1,3-Dichloropropene	4.03	0.30	0.50	ug/L	5.00		80.6	70-130	1.72	30	
trans-1,3-Dichloropropene	4.47	0.30	0.50	ug/L	5.00		89.4	70-130	0.669	30	
2-Hexanone	4.66	0.50	5.0	ug/L	5.00		93.2	70-130	3.17	25	J
Ethylbenzene	4.98	0.50	0.50	ug/L	5.00		99.6	70-130	3.94	30	
Hexachlorobutadiene	5.01	0.40	0.50	ug/L	5.00		100	70-130	7.49	30	
Isopropylbenzene	5.08	0.50	0.50	ug/L	5.00		102	70-130	3.67	30	
p-Isopropyltoluene	4.96	0.50	0.50	ug/L	5.00		99.2	70-130	1.80	30	
Methyl ethyl ketone	9.05	0.60	1.0	ug/L	10.0		90.5	70-130	2.40	30	
Methyl iodide	4.29	0.40	2.0	ug/L	5.00		85.8	70-130	7.19	25	
Methyl isobutyl ketone	9.76	0.80	1.0	ug/L	10.0		97.6	70-130	5.67	30	
Methylene chloride	4.02	0.40	0.50	ug/L	5.00		80.4	70-130	10.8	30	
Naphthalene	4.84	0.50	0.50	ug/L	5.00		96.8	70-130	1.64	30	
n-Propylbenzene	4.86	0.50	0.50	ug/L	5.00		97.2	70-130	2.84	30	
Styrene	4.94	0.20	0.50	ug/L	5.00		98.8	70-130	2.00	30	
1,1,1,2-Tetrachloroethane	5.07	0.40	0.50	ug/L	5.00		101	70-130	3.11	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 2018061002

Reported:
09/27/18 09:25

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 AI83963 - VOAs in Water GCMS

LCS Dup (AI83963-BSD1)

Prepared: 09/21/18 Analyzed: 09/22/18

1,1,2,2-Tetrachloroethane	4.89	0.20	0.50	ug/L	5.00		97.8	70-130	5.37	30	
Tetrachloroethene	4.95	0.50	0.50	ug/L	5.00		99.0	70-130	3.77	30	
Toluene	5.28	0.30	0.50	ug/L	5.00		106	70-130	3.90	30	
1,2,3-Trichlorobenzene	5.57	0.40	0.50	ug/L	5.00		111	70-130	5.75	30	
1,2,4-Trichlorobenzene	5.62	0.40	0.50	ug/L	5.00		112	70-130	0.00	30	
1,1,1-Trichloroethane	4.28	0.40	0.50	ug/L	5.00		85.6	70-130	8.29	30	
1,1,2-Trichloroethane	5.06	0.20	0.50	ug/L	5.00		101	70-130	6.87	30	
Trichloroethene	4.35	0.50	0.50	ug/L	5.00		87.0	70-130	7.95	30	
Trichlorofluoromethane	4.31	0.50	0.50	ug/L	5.00		86.2	70-130	9.29	30	
Trichlorotrifluoroethane	4.24	0.40	0.50	ug/L	5.00		84.8	70-130	9.01	30	
1,2,3-Trichloropropane	5.24	0.50	0.50	ug/L	5.00		105	70-130	5.39	25	
1,2,4-Trimethylbenzene	4.58	0.50	0.50	ug/L	5.00		91.6	70-130	4.06	30	
1,3,5-Trimethylbenzene	4.80	0.50	0.50	ug/L	5.00		96.0	70-130	3.68	30	
Vinyl chloride	4.49	0.50	0.50	ug/L	5.00		89.8	70-130	6.47	30	
m,p-Xylene	10.3	0.50	0.50	ug/L	10.0		103	70-130	4.91	30	
o-Xylene	5.21	0.50	0.50	ug/L	5.00		104	70-130	4.87	30	
Xylenes (total)	15.5	0.50	0.50	ug/L	15.0		104	70-130	4.90	30	
Methyl tert-butyl ether	4.02	0.50	3.0	ug/L	5.00		80.4	70-130	10.2	30	
Ethyl tert-butyl ether	4.58	0.40	0.50	ug/L	5.00		91.6	70-130	19.3	30	
Tert-amyl methyl ether	4.45	0.30	0.50	ug/L	5.00		89.0	70-130	4.18	30	
Surrogate: Bromofluorobenzene	27.1			ug/L	25.0		108	70-130			
Surrogate: Dibromofluoromethane	21.5			ug/L	25.0		85.9	70-130			
Surrogate: Toluene-d8	27.3			ug/L	25.0		109	70-130			

Matrix Spike (AI83963-MS1)

Source: 18I1846-01

Prepared: 09/21/18 Analyzed: 09/22/18

Acetone	70.8	2.0	5.0	ug/L	20.0	67.3	17.4	70-130			QM-05
Acrylonitrile	4.05	0.40	5.0	ug/L	5.00	ND	81.0	70-130			J
Benzene	4.56	0.30	0.30	ug/L	5.00	ND	91.2	70-130			
Bromobenzene	5.42	0.20	0.50	ug/L	5.00	ND	108	70-130			
Bromochloromethane	4.47	0.40	0.50	ug/L	5.00	ND	89.4	70-130			
Bromodichloromethane	5.32	0.20	0.50	ug/L	5.00	0.630	93.8	70-130			
Bromoform	4.22	0.30	0.50	ug/L	5.00	ND	84.4	70-130			
Bromomethane	5.10	0.40	0.50	ug/L	5.00	ND	102	70-130			
n-Butylbenzene	5.66	0.50	0.50	ug/L	5.00	ND	113	70-130			
sec-Butylbenzene	5.71	0.50	0.50	ug/L	5.00	ND	114	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 2018061002

Reported:
09/27/18 09:25

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 AI83963 - VOAs in Water GCMS

Matrix Spike (AI83963-MS1)

Source: 1811846-01

Prepared: 09/21/18 Analyzed: 09/22/18

tert-Butylbenzene	5.19	0.50	0.50	ug/L	5.00	ND	104	70-130			
Carbon disulfide	4.17	0.40	0.50	ug/L	5.00	ND	83.4	70-130			
Carbon tetrachloride	4.26	0.30	0.50	ug/L	5.00	ND	85.2	70-130			
Chlorobenzene	5.24	0.20	0.50	ug/L	5.00	ND	105	70-130			
Chloroethane	4.92	0.30	0.50	ug/L	5.00	ND	98.4	70-130			
Chloroform	26.3	0.30	0.50	ug/L	5.00	22.6	73.4	70-130			
Chloromethane	5.58	0.40	0.50	ug/L	5.00	ND	112	70-130			
2-Chlorotoluene	5.67	0.20	0.50	ug/L	5.00	ND	113	70-130			
4-Chlorotoluene	5.41	0.20	0.50	ug/L	5.00	ND	108	70-130			
Dibromochloromethane	5.03	0.30	0.50	ug/L	5.00	ND	101	70-130			
1,2-Dibromo-3-chloropropane	4.76	0.50	0.50	ug/L	5.00	ND	95.2	70-130			
1,2-Dibromoethane (EDB)	5.08	0.20	0.50	ug/L	5.00	ND	102	70-130			
Dibromomethane	4.56	0.20	0.50	ug/L	5.00	ND	91.2	70-130			
1,2-Dichlorobenzene	5.28	0.20	0.50	ug/L	5.00	ND	106	70-130			
1,3-Dichlorobenzene	5.26	0.20	0.50	ug/L	5.00	ND	105	70-130			
1,4-Dichlorobenzene	5.29	0.20	0.50	ug/L	5.00	ND	106	70-130			
trans-1,4-Dichloro-2-butene	4.41	0.90	5.0	ug/L	5.00	ND	88.2	70-130			J
Dichlorodifluoromethane	6.28	0.50	0.50	ug/L	5.00	ND	126	70-130			
1,1-Dichloroethane	4.63	0.20	0.50	ug/L	5.00	ND	92.6	70-130			
1,2-Dichloroethane	4.52	0.50	0.50	ug/L	5.00	ND	90.4	70-130			
1,1-Dichloroethene	4.35	0.30	0.30	ug/L	5.00	ND	87.0	70-130			
cis-1,2-Dichloroethene	4.35	0.40	0.50	ug/L	5.00	ND	87.0	70-130			
trans-1,2-Dichloroethene	4.59	0.40	0.50	ug/L	5.00	ND	91.8	70-130			
1,2-Dichloropropane	4.45	0.20	0.50	ug/L	5.00	ND	89.0	70-130			
1,3-Dichloropropane	5.37	0.50	0.50	ug/L	5.00	ND	107	70-130			
2,2-Dichloropropane	4.71	0.30	0.50	ug/L	5.00	ND	94.2	70-130			
1,1-Dichloropropene	5.17	0.50	0.50	ug/L	5.00	ND	103	70-130			
cis-1,3-Dichloropropene	3.97	0.30	0.50	ug/L	5.00	ND	79.4	70-130			
trans-1,3-Dichloropropene	4.48	0.30	0.50	ug/L	5.00	ND	89.6	70-130			
2-Hexanone	4.54	0.50	5.0	ug/L	5.00	ND	90.8	70-130			J
Ethylbenzene	5.80	0.50	0.50	ug/L	5.00	ND	116	70-130			
Hexachlorobutadiene	5.84	0.40	0.50	ug/L	5.00	ND	117	70-130			
Isopropylbenzene	5.47	0.50	0.50	ug/L	5.00	ND	109	70-130			
p-Isopropyltoluene	5.38	0.50	0.50	ug/L	5.00	ND	108	70-130			

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Alpha Analytical Laboratories Inc.

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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 2018061002

Reported:
09/27/18 09:25

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 AI83963 - VOAs in Water GCMS

Matrix Spike (AI83963-MS1)

Source: 1811846-01

Prepared: 09/21/18 Analyzed: 09/22/18

Methyl ethyl ketone	9.92	0.60	1.0	ug/L	10.0	3.08	68.4	70-130			QM-05
Methyl iodide	4.43	0.40	2.0	ug/L	5.00	ND	88.6	70-130			
Methyl isobutyl ketone	10.3	0.80	1.0	ug/L	10.0	ND	103	70-130			
Methylene chloride	4.18	0.40	0.50	ug/L	5.00	ND	83.6	70-130			
Naphthalene	4.70	0.50	0.50	ug/L	5.00	ND	94.0	70-130			
n-Propylbenzene	5.29	0.50	0.50	ug/L	5.00	0.610	93.6	70-130			
Styrene	5.02	0.20	0.50	ug/L	5.00	ND	100	70-130			
1,1,1,2-Tetrachloroethane	5.26	0.40	0.50	ug/L	5.00	ND	105	70-130			
1,1,1,2,2-Tetrachloroethane	5.01	0.20	0.50	ug/L	5.00	ND	100	70-130			
Tetrachloroethene	5.47	0.50	0.50	ug/L	5.00	ND	109	70-130			
Toluene	6.49	0.30	0.50	ug/L	5.00	0.900	112	70-130			
1,2,3-Trichlorobenzene	5.74	0.40	0.50	ug/L	5.00	ND	115	70-130			
1,2,4-Trichlorobenzene	5.71	0.40	0.50	ug/L	5.00	ND	114	70-130			
1,1,1-Trichloroethane	4.47	0.40	0.50	ug/L	5.00	ND	89.4	70-130			
1,1,2-Trichloroethane	5.17	0.20	0.50	ug/L	5.00	ND	103	70-130			
Trichloroethene	4.72	0.50	0.50	ug/L	5.00	ND	94.4	70-130			
Trichlorofluoromethane	5.11	0.50	0.50	ug/L	5.00	ND	102	70-130			
Trichlorotrifluoroethane	5.04	0.40	0.50	ug/L	5.00	ND	101	70-130			
1,2,3-Trichloropropane	5.06	0.50	0.50	ug/L	5.00	ND	101	70-130			
1,2,4-Trimethylbenzene	5.26	0.50	0.50	ug/L	5.00	ND	105	70-130			
1,3,5-Trimethylbenzene	5.44	0.50	0.50	ug/L	5.00	0.800	92.8	70-130			
Vinyl chloride	5.15	0.50	0.50	ug/L	5.00	ND	103	70-130			
m,p-Xylene	11.7	0.50	0.50	ug/L	10.0	0.520	112	70-130			
o-Xylene	5.91	0.50	0.50	ug/L	5.00	ND	118	70-130			
Xylenes (total)	17.6	0.50	0.50	ug/L	15.0	0.520	114	70-130			
Methyl tert-butyl ether	3.57	0.50	3.0	ug/L	5.00	ND	71.4	70-130			
Ethyl tert-butyl ether	4.56	0.40	0.50	ug/L	5.00	ND	91.2	70-130			
Tert-amyl methyl ether	4.30	0.30	0.50	ug/L	5.00	ND	86.0	70-130			
Surrogate: Bromofluorobenzene	28.2			ug/L	25.0		113	70-130			
Surrogate: Dibromofluoromethane	23.3			ug/L	25.0		93.3	70-130			
Surrogate: Toluene-d8	30.0			ug/L	25.0		120	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 2018061002

Reported:
09/27/18 09:25

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 AI83963 - VOAs in Water GCMS

Matrix Spike (AI83963-MS2)

Source: 1811840-01

Prepared: 09/21/18 Analyzed: 09/22/18

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	RPD Limits	Notes
Acetone	18.3	2.0	5.0	ug/L	20.0	ND	91.6	70-130	
Acrylonitrile	4.33	0.40	5.0	ug/L	5.00	ND	86.6	70-130	J
Benzene	4.72	0.30	0.30	ug/L	5.00	ND	94.4	70-130	
Bromobenzene	5.57	0.20	0.50	ug/L	5.00	ND	111	70-130	
Bromochloromethane	4.40	0.40	0.50	ug/L	5.00	ND	88.0	70-130	
Bromodichloromethane	4.60	0.20	0.50	ug/L	5.00	ND	92.0	70-130	
Bromoform	5.00	0.30	0.50	ug/L	5.00	ND	100	70-130	
Bromomethane	2.69	0.40	0.50	ug/L	5.00	ND	53.8	70-130	QM-05
n-Butylbenzene	5.92	0.50	0.50	ug/L	5.00	ND	118	70-130	
sec-Butylbenzene	5.89	0.50	0.50	ug/L	5.00	ND	118	70-130	
tert-Butylbenzene	5.44	0.50	0.50	ug/L	5.00	ND	109	70-130	
Carbon disulfide	4.15	0.40	0.50	ug/L	5.00	ND	83.0	70-130	
Carbon tetrachloride	4.56	0.30	0.50	ug/L	5.00	ND	91.2	70-130	
Chlorobenzene	5.44	0.20	0.50	ug/L	5.00	ND	109	70-130	
Chloroethane	4.80	0.30	0.50	ug/L	5.00	ND	96.0	70-130	
Chloroform	4.67	0.30	0.50	ug/L	5.00	ND	93.4	70-130	
Chloromethane	4.43	0.40	0.50	ug/L	5.00	ND	88.6	70-130	
2-Chlorotoluene	5.97	0.20	0.50	ug/L	5.00	ND	119	70-130	
4-Chlorotoluene	5.57	0.20	0.50	ug/L	5.00	ND	111	70-130	
Dibromochloromethane	5.35	0.30	0.50	ug/L	5.00	ND	107	70-130	
1,2-Dibromo-3-chloropropane	5.01	0.50	0.50	ug/L	5.00	ND	100	70-130	
1,2-Dibromoethane (EDB)	5.19	0.20	0.50	ug/L	5.00	ND	104	70-130	
Dibromomethane	4.48	0.20	0.50	ug/L	5.00	ND	89.6	70-130	
1,2-Dichlorobenzene	5.50	0.20	0.50	ug/L	5.00	ND	110	70-130	
1,3-Dichlorobenzene	5.44	0.20	0.50	ug/L	5.00	ND	109	70-130	
1,4-Dichlorobenzene	5.52	0.20	0.50	ug/L	5.00	ND	110	70-130	
trans-1,4-Dichloro-2-butene	3.33	0.90	5.0	ug/L	5.00	ND	66.6	70-130	QM-05, J
Dichlorodifluoromethane	6.34	0.50	0.50	ug/L	5.00	ND	127	70-130	
1,1-Dichloroethane	4.69	0.20	0.50	ug/L	5.00	ND	93.8	70-130	
1,2-Dichloroethane	4.44	0.50	0.50	ug/L	5.00	ND	88.8	70-130	
1,1-Dichloroethene	4.52	0.30	0.30	ug/L	5.00	ND	90.4	70-130	
cis-1,2-Dichloroethene	4.51	0.40	0.50	ug/L	5.00	ND	90.2	70-130	
trans-1,2-Dichloroethene	4.70	0.40	0.50	ug/L	5.00	ND	94.0	70-130	
1,2-Dichloropropane	4.54	0.20	0.50	ug/L	5.00	ND	90.8	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 2018061002

Reported:
09/27/18 09:25

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 AI83963 - VOAs in Water GCMS

Matrix Spike (AI83963-MS2)

Source: 1811840-01

Prepared: 09/21/18 Analyzed: 09/22/18

1,3-Dichloropropane	5.44	0.50	0.50	ug/L	5.00	ND	109	70-130			
2,2-Dichloropropane	4.72	0.30	0.50	ug/L	5.00	ND	94.4	70-130			
1,1-Dichloropropene	5.47	0.50	0.50	ug/L	5.00	ND	109	70-130			
cis-1,3-Dichloropropene	2.78	0.30	0.50	ug/L	5.00	ND	55.6	70-130			QM-05
trans-1,3-Dichloropropene	4.01	0.30	0.50	ug/L	5.00	ND	80.2	70-130			
2-Hexanone	4.81	0.50	5.0	ug/L	5.00	ND	96.2	70-130			J
Ethylbenzene	5.52	0.50	0.50	ug/L	5.00	ND	110	70-130			
Hexachlorobutadiene	6.04	0.40	0.50	ug/L	5.00	ND	121	70-130			
Isopropylbenzene	5.62	0.50	0.50	ug/L	5.00	ND	112	70-130			
p-Isopropyltoluene	5.58	0.50	0.50	ug/L	5.00	ND	112	70-130			
Methyl ethyl ketone	8.06	0.60	1.0	ug/L	10.0	ND	80.6	70-130			
Methyl iodide	2.02	0.40	2.0	ug/L	5.00	ND	40.4	70-130			QM-05
Methyl isobutyl ketone	9.85	0.80	1.0	ug/L	10.0	ND	98.5	70-130			
Methylene chloride	4.15	0.40	0.50	ug/L	5.00	ND	83.0	70-130			
Naphthalene	5.09	0.50	0.50	ug/L	5.00	ND	102	70-130			
n-Propylbenzene	5.42	0.50	0.50	ug/L	5.00	ND	108	70-130			
Styrene	5.17	0.20	0.50	ug/L	5.00	ND	103	70-130			
1,1,1,2-Tetrachloroethane	5.35	0.40	0.50	ug/L	5.00	ND	107	70-130			
1,1,2,2-Tetrachloroethane	4.96	0.20	0.50	ug/L	5.00	ND	99.2	70-130			
Tetrachloroethene	5.71	0.50	0.50	ug/L	5.00	ND	114	70-130			
Toluene	5.84	0.30	0.50	ug/L	5.00	ND	117	70-130			
1,2,3-Trichlorobenzene	6.13	0.40	0.50	ug/L	5.00	ND	123	70-130			
1,2,4-Trichlorobenzene	6.05	0.40	0.50	ug/L	5.00	ND	121	70-130			
1,1,1-Trichloroethane	4.55	0.40	0.50	ug/L	5.00	ND	91.0	70-130			
1,1,2-Trichloroethane	5.26	0.20	0.50	ug/L	5.00	ND	105	70-130			
Trichloroethene	4.90	0.50	0.50	ug/L	5.00	ND	98.0	70-130			
Trichlorofluoromethane	4.99	0.50	0.50	ug/L	5.00	ND	99.8	70-130			
Trichlorotrifluoroethane	4.93	0.40	0.50	ug/L	5.00	ND	98.6	70-130			
1,2,3-Trichloropropane	5.18	0.50	0.50	ug/L	5.00	ND	104	70-130			
1,2,4-Trimethylbenzene	5.04	0.50	0.50	ug/L	5.00	ND	101	70-130			
1,3,5-Trimethylbenzene	5.23	0.50	0.50	ug/L	5.00	ND	105	70-130			
Vinyl chloride	5.13	0.50	0.50	ug/L	5.00	ND	103	70-130			
m,p-Xylene	11.4	0.50	0.50	ug/L	10.0	ND	114	70-130			
o-Xylene	5.78	0.50	0.50	ug/L	5.00	ND	116	70-130			
Xylenes (total)	17.2	0.50	0.50	ug/L	15.0	ND	115	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 2018061002

Reported:
09/27/18 09:25

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 AI83963 - VOAs in Water GCMS

Matrix Spike (AI83963-MS2)

Source: 18I1840-01

Prepared: 09/21/18 Analyzed: 09/22/18

Methyl tert-butyl ether	3.34	0.50	3.0	ug/L	5.00	ND	66.8	70-130			QM-05
Ethyl tert-butyl ether	4.67	0.40	0.50	ug/L	5.00	ND	93.4	70-130			
Tert-amyl methyl ether	4.55	0.30	0.50	ug/L	5.00	ND	91.0	70-130			
Surrogate: Bromofluorobenzene	28.4			ug/L	25.0		114	70-130			
Surrogate: Dibromofluoromethane	23.3			ug/L	25.0		93.2	70-130			
Surrogate: Toluene-d8	30.3			ug/L	25.0		121	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 2018061002

Reported:
09/27/18 09:25

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 AI83776 - VOAs in Water GCMS

Blank (AI83776-BLK1)

Prepared & Analyzed: 09/19/18

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 2018061002

Reported:
09/27/18 09:25

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 AI83776 - VOAs in Water GCMS

Blank (AI83776-BLK1)

Prepared & Analyzed: 09/19/18

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
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Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Amber VOA- HCl
Project Number: Silicone Batch Number 2018061002

Reported:
09/27/18 09:25

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 AI83776 - VOAs in Water GCMS

Blank (AI83776-BLK1)

Prepared & Analyzed: 09/19/18

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	29.0			ug/L	25.0		116	70-130			
Surrogate: Dibromofluoromethane	27.2			ug/L	25.0		109	70-130			
Surrogate: Toluene-d8	30.3			ug/L	25.0		121	70-130			

LCS (AI83776-BS1)

Prepared & Analyzed: 09/19/18

Acetone	71.7	0.90	5.0	ug/L	80.0		89.7	48-124			
Acetonitrile	1870	50	100	ug/L	2000		93.6	70-130			
Acrylonitrile	19.7	0.40	5.0	ug/L	20.0		98.6	70-130			
Allyl chloride	22.3	0.40	10	ug/L	20.0		112	70-130			
Benzene	22.0	0.30	0.30	ug/L	20.0		110	82-122			
Bromobenzene	22.7	0.40	0.50	ug/L	20.0		114	83-122			
Bromochloromethane	22.2	0.40	0.50	ug/L	20.0		111	83-124			
Bromodichloromethane	19.3	0.40	0.50	ug/L	20.0		96.4	86-135			
Bromoform	20.0	0.30	0.50	ug/L	20.0		99.8	76-144			
Bromomethane	22.7	0.40	0.50	ug/L	20.0		114	69-145			
n-Butylbenzene	23.1	0.40	0.50	ug/L	20.0		115	79-132			
sec-Butylbenzene	24.0	0.40	0.50	ug/L	20.0		120	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 2018061002

Reported:
09/27/18 09:25

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 AI83776 - VOAs in Water GCMS

LCS (AI83776-BS1)

Prepared & Analyzed: 09/19/18

tert-Butylbenzene	24.0	0.30	0.50	ug/L	20.0		120	82-126			
Carbon disulfide	24.9	0.40	5.0	ug/L	20.0		124	70-130			
Carbon tetrachloride	19.9	0.40	0.50	ug/L	20.0		99.6	77-134			
Chlorobenzene	22.3	0.30	0.50	ug/L	20.0		111	84-119			
Chloroethane	24.9	0.40	0.50	ug/L	20.0		124	68-133			
Chloroform	21.4	0.40	0.50	ug/L	20.0		107	81-122			
Chloromethane	20.8	0.40	0.50	ug/L	20.0		104	63-129			
Chloroprene	22.4	0.40	1.0	ug/L	20.0		112	70-130			
2-Chlorotoluene	23.8	0.40	0.50	ug/L	20.0		119	79-132			
4-Chlorotoluene	22.6	0.30	0.50	ug/L	20.0		113	80-122			
Dibromochloromethane	19.7	0.40	0.50	ug/L	20.0		98.4	83-135			
1,2-Dibromo-3-chloropropane	17.8	0.60	2.0	ug/L	20.0		89.1	73-128			
1,2-Dibromoethane (EDB)	22.5	0.40	0.50	ug/L	20.0		113	80-120			
Dibromomethane	22.0	0.40	0.50	ug/L	20.0		110	82-124			
1,2-Dichlorobenzene	20.2	0.40	0.50	ug/L	20.0		101	84-121			
1,3-Dichlorobenzene	22.6	0.40	0.50	ug/L	20.0		113	80-120			
1,4-Dichlorobenzene	20.1	0.30	0.50	ug/L	20.0		101	84-120			
trans-1,4-Dichloro-2-butene	24.9	0.50	5.0	ug/L	20.0		124	70-130			
Dichlorodifluoromethane	25.0	0.40	0.50	ug/L	20.0		125	52-142			
1,1-Dichloroethane	22.9	0.50	0.50	ug/L	20.0		114	81-126			
1,2-Dichloroethane	20.6	0.40	0.50	ug/L	20.0		103	77-117			
1,1-Dichloroethene	24.7	0.30	0.50	ug/L	20.0		124	71-151			
cis-1,2-Dichloroethene	21.7	0.40	0.50	ug/L	20.0		108	84-131			
trans-1,2-Dichloroethene	22.5	0.40	0.50	ug/L	20.0		112	79-128			
1,2-Dichloropropane	22.9	0.40	0.50	ug/L	20.0		114	82-125			
1,3-Dichloropropane	21.9	0.40	0.50	ug/L	20.0		109	83-120			
2,2-Dichloropropane	19.7	0.50	0.50	ug/L	20.0		98.4	80-125			
1,1-Dichloropropene	23.9	0.40	0.50	ug/L	20.0		120	85-130			
cis-1,3-Dichloropropene	19.6	0.40	0.50	ug/L	20.0		98.0	83-128			
trans-1,3-Dichloropropene	17.9	0.40	0.50	ug/L	20.0		89.4	67-129			
Diethyl ether	24.4	0.50	1.0	ug/L	20.0		122	70-130			
Di-isopropyl ether	22.3	0.40	0.50	ug/L	20.0		112	83-132			
Ethylbenzene	22.9	0.40	0.50	ug/L	20.0		114	84-124			
Ethyl methacrylate	18.2	0.30	10	ug/L	20.0		91.2	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 2018061002

Reported:
09/27/18 09:25

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 AI83776 - VOAs in Water GCMS

LCS (AI83776-BS1)

Prepared & Analyzed: 09/19/18

Ethanol	836	50	50	ug/L	980		85.3	50-150			
Hexachloroethane	16.6	0.40	1.0	ug/L	20.0		83.2	70-130			
Ethyl tert-butyl ether	20.9	0.40	0.50	ug/L	20.0		105	74-127			
Hexachlorobutadiene	18.6	0.50	0.50	ug/L	20.0		93.2	75-135			
2-Hexanone	20.4	4.0	5.0	ug/L	20.0		102	70-130			
Isobutanol	1890	40	100	ug/L	2000		94.5	70-130			
Isopropylbenzene	23.8	0.40	0.50	ug/L	20.0		119	70-130			
p-Isopropyltoluene	24.8	0.40	0.50	ug/L	20.0		124	78-124			
Methacrylonitrile	21.2	0.40	1.0	ug/L	20.0		106	70-130			
Methylene chloride	21.3	0.50	0.50	ug/L	20.0		107	72-132			
Methyl ethyl ketone	37.4	0.70	1.0	ug/L	40.0		93.4	58-157			
Methyl iodide	24.3	0.40	2.0	ug/L	20.0		121	56-167			
Methyl isobutyl ketone	42.9	0.60	1.0	ug/L	40.0		107	70-130			
Methyl methacrylate	23.7	0.40	1.0	ug/L	20.0		118	70-130			
Methyl tert-butyl ether	18.9	0.50	0.50	ug/L	20.0		94.5	84-119			
Naphthalene	18.9	0.50	0.50	ug/L	20.0		94.4	84-134			
Propionitrile	878	20	50	ug/L	1000		87.8	70-130			
n-Propylbenzene	24.2	0.40	0.50	ug/L	20.0		121	75-127			
Styrene	23.6	0.40	0.50	ug/L	20.0		118	80-125			
Tert-amyl methyl ether	17.4	0.40	0.50	ug/L	20.0		87.2	74-120			
Tert-butyl alcohol	369	6.0	10	ug/L	400		92.2	66-147			
1,1,1,2-Tetrachloroethane	20.0	0.40	0.50	ug/L	20.0		100	80-132			
1,1,2,2-Tetrachloroethane	23.4	0.30	0.50	ug/L	20.0		117	70-130			
Tetrachloroethene	22.7	0.40	0.50	ug/L	20.0		114	56-156			
Tetrahydrofuran	22.5	4.0	5.0	ug/L	20.0		113	70-130			
Toluene	22.5	0.30	0.30	ug/L	20.0		112	76-137			
1,2,4-Trichlorobenzene	19.8	0.20	0.50	ug/L	20.0		98.8	84-126			
1,2,3-Trichlorobenzene	19.2	0.50	0.50	ug/L	20.0		96.1	85-133			
1,1,1-Trichloroethane	22.2	0.40	0.50	ug/L	20.0		111	70-130			
1,1,2-Trichloroethane	21.8	0.40	0.50	ug/L	20.0		109	83-122			
Trichloroethene	23.4	0.40	0.50	ug/L	20.0		117	84-123			
Trichlorofluoromethane	24.6	0.50	0.50	ug/L	20.0		123	74-130			
1,2,3-Trichloropropane	22.2	0.40	0.50	ug/L	20.0		111	78-122			
Trichlorotrifluoroethane	24.9	0.50	0.50	ug/L	20.0		125	82-125			
1,2,4-Trimethylbenzene	24.1	0.40	0.50	ug/L	20.0		120	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 2018061002

Reported:
09/27/18 09:25

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 AI83776 - VOAs in Water GCMS

LCS (AI83776-BS1)

Prepared & Analyzed: 09/19/18

1,3,5-Trimethylbenzene	23.9	0.30	0.50	ug/L	20.0		119	80-125			
Vinyl acetate	43.8	0.80	1.0	ug/L	40.0		109	60-140			
Vinyl chloride	22.8	0.40	0.50	ug/L	20.0		114	70-130			
m,p-Xylene	47.2	0.50	0.50	ug/L	40.0		118	81-124			
o-Xylene	22.6	0.40	0.50	ug/L	20.0		113	80-126			
Xylenes (total)	69.9	0.50	0.50	ug/L	60.0		116	81-126			
Surrogate: Bromofluorobenzene	29.3			ug/L	25.0		117	70-130			
Surrogate: Dibromofluoromethane	28.5			ug/L	25.0		114	70-130			
Surrogate: Toluene-d8	29.2			ug/L	25.0		117	70-130			

LCS Dup (AI83776-BSD1)

Prepared & Analyzed: 09/19/18

Acetone	70.2	0.90	5.0	ug/L	80.0		87.7	48-124	2.18	25	
Acetonitrile	1960	50	100	ug/L	2000		98.1	70-130	4.68	25	
Acrylonitrile	20.8	0.40	5.0	ug/L	20.0		104	70-130	5.24	25	
Allyl chloride	20.5	0.40	10	ug/L	20.0		103	70-130	8.45	25	
Benzene	22.0	0.30	0.30	ug/L	20.0		110	82-122	0.318	25	
Bromobenzene	22.6	0.40	0.50	ug/L	20.0		113	83-122	0.397	25	
Bromochloromethane	22.6	0.40	0.50	ug/L	20.0		113	83-124	1.69	25	
Bromodichloromethane	20.0	0.40	0.50	ug/L	20.0		99.9	86-135	3.51	25	
Bromoform	20.3	0.30	0.50	ug/L	20.0		102	76-144	1.84	25	
Bromomethane	24.7	0.40	0.50	ug/L	20.0		124	69-145	8.56	25	
n-Butylbenzene	22.5	0.40	0.50	ug/L	20.0		112	79-132	2.59	25	
sec-Butylbenzene	23.1	0.40	0.50	ug/L	20.0		116	86-132	3.90	25	
tert-Butylbenzene	23.5	0.30	0.50	ug/L	20.0		118	82-126	1.98	25	
Carbon disulfide	23.6	0.40	5.0	ug/L	20.0		118	70-130	5.24	30	
Carbon tetrachloride	20.6	0.40	0.50	ug/L	20.0		103	77-134	3.06	25	
Chlorobenzene	22.0	0.30	0.50	ug/L	20.0		110	84-119	1.36	25	
Chloroethane	25.0	0.40	0.50	ug/L	20.0		125	68-133	0.201	25	
Chloroform	21.6	0.40	0.50	ug/L	20.0		108	81-122	0.836	25	
Chloromethane	21.5	0.40	0.50	ug/L	20.0		107	63-129	3.26	25	
Chloroprene	24.6	0.40	1.0	ug/L	20.0		123	70-130	9.41	25	
2-Chlorotoluene	23.3	0.40	0.50	ug/L	20.0		116	79-132	2.12	25	
4-Chlorotoluene	22.1	0.30	0.50	ug/L	20.0		111	80-122	2.28	25	
Dibromochloromethane	20.6	0.40	0.50	ug/L	20.0		103	83-135	4.61	25	
1,2-Dibromo-3-chloropropane	17.7	0.60	2.0	ug/L	20.0		88.7	73-128	0.450	25	

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262 Rickenbacker Circle
Livermore CA, 94551

Project Manager: Quality Control Manager
Project: QC- 40ml Amber VOA- HCl
Project Number: Silicone Batch Number 2018061002

Reported:
09/27/18 09:25

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 AI83776 - VOAs in Water GCMS

LCS Dup (AI83776-BSD1)

Prepared & Analyzed: 09/19/18

1,2-Dibromoethane (EDB)	22.8	0.40	0.50	ug/L	20.0		114	80-120	0.972	25	
Dibromomethane	22.5	0.40	0.50	ug/L	20.0		112	82-124	2.30	25	
1,2-Dichlorobenzene	20.1	0.40	0.50	ug/L	20.0		101	84-121	0.248	25	
1,3-Dichlorobenzene	22.3	0.40	0.50	ug/L	20.0		112	80-120	1.25	25	
1,4-Dichlorobenzene	20.2	0.30	0.50	ug/L	20.0		101	84-120	0.199	25	
trans-1,4-Dichloro-2-butene	25.2	0.50	5.0	ug/L	20.0		126	70-130	1.32	25	
Dichlorodifluoromethane	25.2	0.40	0.50	ug/L	20.0		126	52-142	0.637	25	
1,1-Dichloroethane	23.0	0.50	0.50	ug/L	20.0		115	81-126	0.610	25	
1,2-Dichloroethane	20.9	0.40	0.50	ug/L	20.0		104	77-117	1.25	25	
1,1-Dichloroethene	25.6	0.30	0.50	ug/L	20.0		128	71-151	3.50	25	
cis-1,2-Dichloroethene	22.2	0.40	0.50	ug/L	20.0		111	84-131	2.60	25	
trans-1,2-Dichloroethene	22.8	0.40	0.50	ug/L	20.0		114	79-128	1.46	25	
1,2-Dichloropropane	22.9	0.40	0.50	ug/L	20.0		115	82-125	0.218	25	
1,3-Dichloropropane	22.0	0.40	0.50	ug/L	20.0		110	83-120	0.501	25	
2,2-Dichloropropane	20.4	0.50	0.50	ug/L	20.0		102	80-125	3.49	25	
1,1-Dichloropropene	23.7	0.40	0.50	ug/L	20.0		119	85-130	0.755	25	
cis-1,3-Dichloropropene	20.0	0.40	0.50	ug/L	20.0		100	83-128	2.07	25	
trans-1,3-Dichloropropene	18.7	0.40	0.50	ug/L	20.0		93.6	67-129	4.65	25	
Diethyl ether	24.2	0.50	1.0	ug/L	20.0		121	70-130	0.494	25	
Di-isopropyl ether	22.6	0.40	0.50	ug/L	20.0		113	83-132	1.07	25	
Ethanol	890	50	50	ug/L	980		90.8	50-150	6.29	25	
Ethylbenzene	22.7	0.40	0.50	ug/L	20.0		114	84-124	0.746	25	
Ethyl methacrylate	18.7	0.30	10	ug/L	20.0		93.7	70-130	2.65	25	
Ethyl tert-butyl ether	20.9	0.40	0.50	ug/L	20.0		105	74-127	0.143	25	
Hexachloroethane	16.9	0.40	1.0	ug/L	20.0		84.4	70-130	1.37	25	
Hexachlorobutadiene	18.4	0.50	0.50	ug/L	20.0		92.0	75-135	1.35	25	
2-Hexanone	20.0	4.0	5.0	ug/L	20.0		100	70-130	1.53	30	
Isobutanol	1880	40	100	ug/L	2000		94.0	70-130	0.499	25	
Isopropylbenzene	23.3	0.40	0.50	ug/L	20.0		116	75-116	2.29	25	
p-Isopropyltoluene	24.1	0.40	0.50	ug/L	20.0		120	78-124	3.07	25	
Methylene chloride	21.4	0.50	0.50	ug/L	20.0		107	72-132	0.234	25	
Methacrylonitrile	21.0	0.40	1.0	ug/L	20.0		105	70-130	0.710	25	
Methyl ethyl ketone	38.1	0.70	1.0	ug/L	40.0		95.4	58-157	2.07	25	
Methyl iodide	25.0	0.40	2.0	ug/L	20.0		125	56-167	3.04	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 2018061002

Reported:
09/27/18 09:25

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 AI83776 - VOAs in Water GCMS

LCS Dup (AI83776-BSD1)

Prepared & Analyzed: 09/19/18

Methyl isobutyl ketone	42.6	0.60	1.0	ug/L	40.0	106	70-130	0.912	25	
Methyl methacrylate	24.8	0.40	1.0	ug/L	20.0	124	70-130	4.54	25	
Propionitrile	900	20	50	ug/L	1000	90.0	70-130	2.43	25	
Naphthalene	18.7	0.50	0.50	ug/L	20.0	93.4	84-134	1.01	25	
Methyl tert-butyl ether	19.5	0.50	0.50	ug/L	20.0	97.7	84-119	3.33	25	
n-Propylbenzene	24.0	0.40	0.50	ug/L	20.0	120	75-127	0.581	25	
Styrene	24.3	0.40	0.50	ug/L	20.0	122	80-125	3.13	25	
Tert-amyl methyl ether	17.4	0.40	0.50	ug/L	20.0	87.0	74-120	0.230	25	
Tert-butyl alcohol	383	6.0	10	ug/L	400	95.7	66-147	3.72	25	
1,1,1,2-Tetrachloroethane	20.1	0.40	0.50	ug/L	20.0	100	80-132	0.300	25	
1,1,2,2-Tetrachloroethane	23.3	0.30	0.50	ug/L	20.0	116	70-130	0.557	25	
Tetrachloroethene	22.7	0.40	0.50	ug/L	20.0	113	56-156	0.0881	25	
Tetrahydrofuran	20.7	4.0	5.0	ug/L	20.0	103	70-130	8.61	25	
Toluene	22.3	0.30	0.30	ug/L	20.0	112	76-137	0.893	25	
1,2,4-Trichlorobenzene	19.4	0.20	0.50	ug/L	20.0	97.2	84-126	1.73	25	
1,2,3-Trichlorobenzene	18.7	0.50	0.50	ug/L	20.0	93.6	85-133	2.58	25	
1,1,1-Trichloroethane	22.7	0.40	0.50	ug/L	20.0	113	70-130	2.27	25	
1,1,2-Trichloroethane	21.8	0.40	0.50	ug/L	20.0	109	83-122	0.138	25	
Trichloroethene	23.4	0.40	0.50	ug/L	20.0	117	84-123	0.0428	25	
Trichlorofluoromethane	24.5	0.50	0.50	ug/L	20.0	122	74-130	0.407	25	
1,2,3-Trichloropropane	22.1	0.40	0.50	ug/L	20.0	110	78-122	0.542	25	
Trichlorotrifluoroethane	24.2	0.50	0.50	ug/L	20.0	121	82-125	2.85	25	
1,2,4-Trimethylbenzene	23.5	0.40	0.50	ug/L	20.0	118	85-127	2.31	25	
1,3,5-Trimethylbenzene	23.5	0.30	0.50	ug/L	20.0	118	80-125	1.52	25	
Vinyl acetate	45.4	0.80	1.0	ug/L	40.0	114	60-140	3.77	25	
Vinyl chloride	22.2	0.40	0.50	ug/L	20.0	111	70-130	2.76	25	
m,p-Xylene	46.3	0.50	0.50	ug/L	40.0	116	81-124	1.99	25	
o-Xylene	22.4	0.40	0.50	ug/L	20.0	112	80-126	1.07	25	
Xylenes (total)	68.7	0.50	0.50	ug/L	60.0	114	81-126	1.69	25	
Surrogate: Bromofluorobenzene	28.6			ug/L	25.0	115	70-130			
Surrogate: Dibromofluoromethane	28.4			ug/L	25.0	114	70-130			
Surrogate: Toluene-d8	28.7			ug/L	25.0	115	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 2018061002

Reported:
09/27/18 09:25

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 AI83776 - VOAs in Water GCMS

Matrix Spike (AI83776-MS1)	Source: 18I1312-01	Prepared: 09/19/18	Analyzed: 09/20/18	QM-06			
Acetone	120	0.90	5.0 ug/L	80.0	2.58	147	32-164
Acetonitrile	2700	50	100 ug/L	2000	ND	135	70-130
Allyl chloride	27.5	0.40	10 ug/L	20.0	ND	137	70-130
Acrylonitrile	28.8	0.40	5.0 ug/L	20.0	ND	144	70-130
Benzene	24.0	0.30	0.30 ug/L	20.0	ND	120	58-139
Bromobenzene	24.1	0.40	0.50 ug/L	20.0	ND	121	63-143
Bromochloromethane	24.1	0.40	0.50 ug/L	20.0	ND	121	60-141
Bromodichloromethane	21.1	0.40	0.50 ug/L	20.0	ND	105	62-140
Bromoform	20.9	0.30	0.50 ug/L	20.0	ND	105	47-165
Bromomethane	22.2	0.40	0.50 ug/L	20.0	ND	111	30-163
n-Butylbenzene	25.0	0.40	0.50 ug/L	20.0	ND	125	57-147
sec-Butylbenzene	26.9	0.40	0.50 ug/L	20.0	ND	134	64-155
tert-Butylbenzene	26.3	0.30	0.50 ug/L	20.0	ND	132	57-150
Carbon disulfide	31.0	0.40	5.0 ug/L	20.0	ND	155	70-130
Carbon tetrachloride	22.3	0.40	0.50 ug/L	20.0	ND	112	65-153
Chlorobenzene	23.9	0.30	0.50 ug/L	20.0	ND	119	58-137
Chloroethane	30.3	0.40	0.50 ug/L	20.0	ND	151	59-141
Chloroform	23.4	0.40	0.50 ug/L	20.0	ND	117	36-151
Chloromethane	28.9	0.40	0.50 ug/L	20.0	ND	145	69-149
Chloroprene	26.7	0.40	1.0 ug/L	20.0	ND	133	70-130
2-Chlorotoluene	25.6	0.40	0.50 ug/L	20.0	ND	128	54-150
4-Chlorotoluene	24.1	0.30	0.50 ug/L	20.0	ND	121	59-140
Dibromochloromethane	21.3	0.40	0.50 ug/L	20.0	ND	106	54-157
1,2-Dibromo-3-chloropropane	18.4	0.60	2.0 ug/L	20.0	ND	91.8	54-137
1,2-Dibromoethane (EDB)	23.5	0.40	0.50 ug/L	20.0	ND	117	40-147
Dibromomethane	23.8	0.40	0.50 ug/L	20.0	ND	119	59-139
1,2-Dichlorobenzene	20.7	0.40	0.50 ug/L	20.0	ND	103	39-145
1,3-Dichlorobenzene	24.2	0.40	0.50 ug/L	20.0	ND	121	54-137
1,4-Dichlorobenzene	20.8	0.30	0.50 ug/L	20.0	ND	104	41-142
trans-1,4-Dichloro-2-butene	24.7	0.50	5.0 ug/L	20.0	ND	124	70-130
Dichlorodifluoromethane	38.4	0.40	0.50 ug/L	20.0	ND	192	39-162
1,1-Dichloroethane	25.4	0.50	0.50 ug/L	20.0	ND	127	39-146
1,2-Dichloroethane	21.1	0.40	0.50 ug/L	20.0	ND	106	58-133
1,1-Dichloroethene	26.6	0.30	0.50 ug/L	20.0	ND	133	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 2018061002

Reported:
09/27/18 09:25

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 AI83776 - VOAs in Water GCMS

Matrix Spike (AI83776-MS1)	Source: 18I1312-01			Prepared: 09/19/18 Analyzed: 09/20/18		QM-06		
cis-1,2-Dichloroethene	23.9	0.40	0.50	ug/L	20.0	ND	120	66-141
trans-1,2-Dichloroethene	24.8	0.40	0.50	ug/L	20.0	ND	124	59-151
1,2-Dichloropropane	24.3	0.40	0.50	ug/L	20.0	ND	121	41-142
1,3-Dichloropropane	22.9	0.40	0.50	ug/L	20.0	ND	115	62-139
2,2-Dichloropropane	20.6	0.50	0.50	ug/L	20.0	ND	103	40-167
1,1-Dichloropropene	26.9	0.40	0.50	ug/L	20.0	ND	135	58-148
cis-1,3-Dichloropropene	20.2	0.40	0.50	ug/L	20.0	ND	101	50-140
trans-1,3-Dichloropropene	18.8	0.40	0.50	ug/L	20.0	ND	94.2	40-144
Diethyl ether	26.4	0.50	1.0	ug/L	20.0	ND	132	70-130
Di-isopropyl ether	24.4	0.40	0.50	ug/L	20.0	ND	122	49-143
Ethanol	1080	50	50	ug/L	980	ND	110	50-150
Ethyl methacrylate	18.8	0.30	10	ug/L	20.0	ND	93.8	70-130
Ethylbenzene	24.7	0.40	0.50	ug/L	20.0	ND	124	59-147
Ethyl tert-butyl ether	24.4	0.40	0.50	ug/L	20.0	ND	122	44-143
Hexachlorobutadiene	20.3	0.50	0.50	ug/L	20.0	ND	102	56-149
Hexachloroethane	17.9	0.40	1.0	ug/L	20.0	ND	89.3	70-130
2-Hexanone	21.1	4.0	5.0	ug/L	20.0	ND	105	70-130
Isobutanol	2460	40	100	ug/L	2000	ND	123	70-130
Isopropylbenzene	26.1	0.40	0.50	ug/L	20.0	ND	131	56-134
p-Isopropyltoluene	27.6	0.40	0.50	ug/L	20.0	ND	138	54-148
Methacrylonitrile	24.8	0.40	1.0	ug/L	20.0	ND	124	70-130
Methylene chloride	22.6	0.50	0.50	ug/L	20.0	ND	113	43-143
Methyl ethyl ketone	54.7	0.70	1.0	ug/L	40.0	ND	137	62-126
Methyl iodide	24.6	0.40	2.0	ug/L	20.0	ND	123	70-130
Methyl isobutyl ketone	46.1	0.60	1.0	ug/L	40.0	ND	115	66-127
Methyl methacrylate	26.2	0.40	1.0	ug/L	20.0	ND	131	70-130
Naphthalene	19.4	0.50	0.50	ug/L	20.0	ND	96.8	52-157
Propionitrile	1440	20	50	ug/L	1000	ND	144	70-130
Methyl tert-butyl ether	18.8	0.50	0.50	ug/L	20.0	ND	93.8	55-144
n-Propylbenzene	27.0	0.40	0.50	ug/L	20.0	ND	135	55-145
Styrene	25.1	0.40	0.50	ug/L	20.0	ND	125	51-157
Tert-amyl methyl ether	19.2	0.40	0.50	ug/L	20.0	ND	96.0	41-136
Tert-butyl alcohol	459	6.0	10	ug/L	400	ND	115	38-175
1,1,1,2-Tetrachloroethane	21.1	0.40	0.50	ug/L	20.0	ND	106	58-146
1,1,2,2-Tetrachloroethane	24.8	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 2018061002

Reported:
09/27/18 09:25

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 AI83776 - VOAs in Water GCMS

Matrix Spike (AI83776-MS1)	Source: 18I1312-01			Prepared: 09/19/18 Analyzed: 09/20/18				QM-06
Tetrachloroethene	24.7	0.40	0.50	ug/L	20.0	ND	124	49-148
Tetrahydrofuran	26.3	4.0	5.0	ug/L	20.0	ND	131	70-130
Toluene	24.3	0.30	0.30	ug/L	20.0	ND	122	59-147
1,2,4-Trichlorobenzene	20.4	0.20	0.50	ug/L	20.0	ND	102	50-150
1,2,3-Trichlorobenzene	19.9	0.50	0.50	ug/L	20.0	ND	99.4	50-161
1,1,1-Trichloroethane	24.5	0.40	0.50	ug/L	20.0	ND	122	38-164
1,1,2-Trichloroethane	23.0	0.40	0.50	ug/L	20.0	ND	115	46-136
Trichloroethene	25.4	0.40	0.50	ug/L	20.0	ND	127	58-140
Trichlorofluoromethane	37.1	0.50	0.50	ug/L	20.0	ND	185	56-144
1,2,3-Trichloropropane	23.4	0.40	0.50	ug/L	20.0	ND	117	61-139
Trichlorotrifluoroethane	28.0	0.50	0.50	ug/L	20.0	ND	140	59-139
1,2,4-Trimethylbenzene	26.2	0.40	0.50	ug/L	20.0	ND	131	58-152
1,3,5-Trimethylbenzene	26.1	0.30	0.50	ug/L	20.0	ND	130	58-148
Vinyl acetate	40.2	0.80	1.0	ug/L	40.0	ND	100	70-130
Vinyl chloride	30.8	0.40	0.50	ug/L	20.0	ND	154	53-160
m,p-Xylene	50.7	0.50	0.50	ug/L	40.0	ND	127	53-147
o-Xylene	24.5	0.40	0.50	ug/L	20.0	ND	122	55-148
Xylenes (total)	75.1	0.50	0.50	ug/L	60.0	ND	125	49-153
Surrogate: Bromofluorobenzene	29.3			ug/L	25.0		117	70-130
Surrogate: Dibromofluoromethane	29.4			ug/L	25.0		118	70-130
Surrogate: Toluene-d8	29.1			ug/L	25.0		117	70-130

Matrix Spike (AI83776-MS2)	Source: 18I1312-02			Prepared: 09/19/18 Analyzed: 09/20/18				QM-06
Acetone	87.1	0.90	5.0	ug/L	80.0	2.12	106	32-164
Acetonitrile	1990	50	100	ug/L	2000	ND	99.6	70-130
Allyl chloride	26.2	0.40	10	ug/L	20.0	ND	131	70-130
Acrylonitrile	24.1	0.40	5.0	ug/L	20.0	ND	121	70-130
Benzene	24.0	0.30	0.30	ug/L	20.0	ND	120	58-139
Bromobenzene	24.1	0.40	0.50	ug/L	20.0	ND	120	63-143
Bromochloromethane	24.3	0.40	0.50	ug/L	20.0	ND	122	60-141
Bromodichloromethane	21.5	0.40	0.50	ug/L	20.0	ND	108	62-140
Bromoform	21.5	0.30	0.50	ug/L	20.0	ND	108	47-165
Bromomethane	23.4	0.40	0.50	ug/L	20.0	ND	117	30-163
n-Butylbenzene	26.0	0.40	0.50	ug/L	20.0	ND	130	57-147
sec-Butylbenzene	27.0	0.40	0.50	ug/L	20.0	ND	135	64-155

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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 2018061002

Reported:
09/27/18 09:25

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 AI83776 - VOAs in Water GCMS

Matrix Spike (AI83776-MS2)	Source: 18I1312-02	Prepared: 09/19/18	Analyzed: 09/20/18	QM-06
tert-Butylbenzene	26.5 0.30 0.50 ug/L	20.0	ND 133	57-150
Carbon disulfide	31.9 0.40 5.0 ug/L	20.0	ND 159	70-130
Carbon tetrachloride	23.4 0.40 0.50 ug/L	20.0	ND 117	65-153
Chlorobenzene	23.8 0.30 0.50 ug/L	20.0	ND 119	58-137
Chloroethane	31.5 0.40 0.50 ug/L	20.0	ND 158	59-141
Chloroform	23.5 0.40 0.50 ug/L	20.0	ND 117	36-151
Chloromethane	33.8 0.40 0.50 ug/L	20.0	ND 169	69-149
Chloroprene	27.8 0.40 1.0 ug/L	20.0	ND 139	70-130
2-Chlorotoluene	25.7 0.40 0.50 ug/L	20.0	ND 128	54-150
4-Chlorotoluene	24.4 0.30 0.50 ug/L	20.0	ND 122	59-140
Dibromochloromethane	21.6 0.40 0.50 ug/L	20.0	ND 108	54-157
1,2-Dibromo-3-chloropropane	18.7 0.60 2.0 ug/L	20.0	ND 93.6	54-137
1,2-Dibromoethane (EDB)	23.8 0.40 0.50 ug/L	20.0	ND 119	40-147
Dibromomethane	23.8 0.40 0.50 ug/L	20.0	ND 119	59-139
1,2-Dichlorobenzene	21.2 0.40 0.50 ug/L	20.0	ND 106	39-145
1,3-Dichlorobenzene	24.4 0.40 0.50 ug/L	20.0	ND 122	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	25.6 0.50 5.0 ug/L	20.0	ND 128	70-130
Dichlorodifluoromethane	38.9 0.40 0.50 ug/L	20.0	ND 194	39-162
1,1-Dichloroethane	25.5 0.50 0.50 ug/L	20.0	ND 127	39-146
1,2-Dichloroethane	20.9 0.40 0.50 ug/L	20.0	ND 105	58-133
1,1-Dichloroethene	27.8 0.30 0.50 ug/L	20.0	ND 139	70-154
cis-1,2-Dichloroethene	24.0 0.40 0.50 ug/L	20.0	ND 120	66-141
trans-1,2-Dichloroethene	25.5 0.40 0.50 ug/L	20.0	ND 127	59-151
1,2-Dichloropropane	24.3 0.40 0.50 ug/L	20.0	ND 122	41-142
1,3-Dichloropropane	23.2 0.40 0.50 ug/L	20.0	ND 116	62-139
2,2-Dichloropropane	21.3 0.50 0.50 ug/L	20.0	ND 106	40-167
1,1-Dichloropropene	27.5 0.40 0.50 ug/L	20.0	ND 138	58-148
cis-1,3-Dichloropropene	20.8 0.40 0.50 ug/L	20.0	ND 104	50-140
trans-1,3-Dichloropropene	19.5 0.40 0.50 ug/L	20.0	ND 97.6	40-144
Diethyl ether	25.9 0.50 1.0 ug/L	20.0	ND 130	70-130
Di-isopropyl ether	24.6 0.40 0.50 ug/L	20.0	ND 123	49-143
Ethyl methacrylate	19.2 0.30 10 ug/L	20.0	ND 96.0	70-130
Ethylbenzene	25.0 0.40 0.50 ug/L	20.0	ND 125	59-147

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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Batch AI83776 - VOAs in Water GCMS

Matrix Spike (AI83776-MS2)	Source: 18I1312-02			Prepared: 09/19/18 Analyzed: 09/20/18		QM-06		
Ethanol	854	50	50	ug/L	980	ND	87.1	50-150
Ethyl tert-butyl ether	24.4	0.40	0.50	ug/L	20.0	ND	122	44-143
Hexachloroethane	18.5	0.40	1.0	ug/L	20.0	ND	92.4	70-130
Hexachlorobutadiene	21.0	0.50	0.50	ug/L	20.0	ND	105	56-149
2-Hexanone	21.5	4.0	5.0	ug/L	20.0	ND	107	70-130
Isopropylbenzene	26.3	0.40	0.50	ug/L	20.0	ND	132	56-134
Isobutanol	1940	40	100	ug/L	2000	ND	97.2	70-130
p-Isopropyltoluene	28.0	0.40	0.50	ug/L	20.0	ND	140	54-148
Methylene chloride	22.5	0.50	0.50	ug/L	20.0	ND	113	43-143
Methacrylonitrile	24.1	0.40	1.0	ug/L	20.0	ND	120	70-130
Methyl ethyl ketone	46.6	0.70	1.0	ug/L	40.0	ND	116	62-126
Methyl iodide	24.9	0.40	2.0	ug/L	20.0	ND	125	70-130
Methyl isobutyl ketone	46.2	0.60	1.0	ug/L	40.0	ND	115	66-127
Methyl methacrylate	26.5	0.40	1.0	ug/L	20.0	ND	132	70-130
Propionitrile	1150	20	50	ug/L	1000	ND	115	70-130
Methyl tert-butyl ether	19.1	0.50	0.50	ug/L	20.0	ND	95.3	55-144
Naphthalene	19.8	0.50	0.50	ug/L	20.0	ND	98.8	52-157
n-Propylbenzene	27.2	0.40	0.50	ug/L	20.0	ND	136	55-145
Styrene	25.4	0.40	0.50	ug/L	20.0	ND	127	51-157
Tert-amyl methyl ether	19.6	0.40	0.50	ug/L	20.0	ND	97.8	41-136
Tert-butyl alcohol	352	6.0	10	ug/L	400	ND	88.1	38-175
1,1,1,2-Tetrachloroethane	21.5	0.40	0.50	ug/L	20.0	ND	107	58-146
1,1,2,2-Tetrachloroethane	24.9	0.30	0.50	ug/L	20.0	ND	124	73-127
Tetrachloroethene	25.2	0.40	0.50	ug/L	20.0	ND	126	49-148
Tetrahydrofuran	21.8	4.0	5.0	ug/L	20.0	ND	109	70-130
Toluene	24.6	0.30	0.30	ug/L	20.0	ND	123	59-147
1,2,3-Trichlorobenzene	20.4	0.50	0.50	ug/L	20.0	ND	102	50-161
1,2,4-Trichlorobenzene	21.0	0.20	0.50	ug/L	20.0	ND	105	50-150
1,1,1-Trichloroethane	25.0	0.40	0.50	ug/L	20.0	ND	125	38-164
1,1,2-Trichloroethane	23.0	0.40	0.50	ug/L	20.0	ND	115	46-136
Trichloroethene	25.8	0.40	0.50	ug/L	20.0	ND	129	58-140
Trichlorofluoromethane	37.4	0.50	0.50	ug/L	20.0	ND	187	56-144
1,2,3-Trichloropropane	23.2	0.40	0.50	ug/L	20.0	ND	116	61-139
Trichlorotrifluoroethane	28.4	0.50	0.50	ug/L	20.0	ND	142	59-139
1,2,4-Trimethylbenzene	26.3	0.40	0.50	ug/L	20.0	ND	132	58-152

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Project Number: Silicone Batch Number 2018061002

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AI83776 - VOAs in Water GCMS

Matrix Spike (AI83776-MS2)	Source: 18I1312-02	Prepared: 09/19/18	Analyzed: 09/20/18	QM-06				
1,3,5-Trimethylbenzene	26.2	0.30	0.50 ug/L	20.0	ND	131	58-148	
Vinyl acetate	41.3	0.80	1.0 ug/L	40.0	ND	103	70-130	
Vinyl chloride	31.6	0.40	0.50 ug/L	20.0	ND	158	53-160	
m,p-Xylene	51.4	0.50	0.50 ug/L	40.0	ND	129	53-147	
o-Xylene	24.6	0.40	0.50 ug/L	20.0	ND	123	55-148	
Xylenes (total)	76.0	0.50	0.50 ug/L	60.0	ND	127	49-153	
Surrogate: Bromofluorobenzene	29.4		ug/L	25.0		118	70-130	
Surrogate: Dibromofluoromethane	29.1		ug/L	25.0		117	70-130	
Surrogate: Toluene-d8	29.3		ug/L	25.0		117	70-130	



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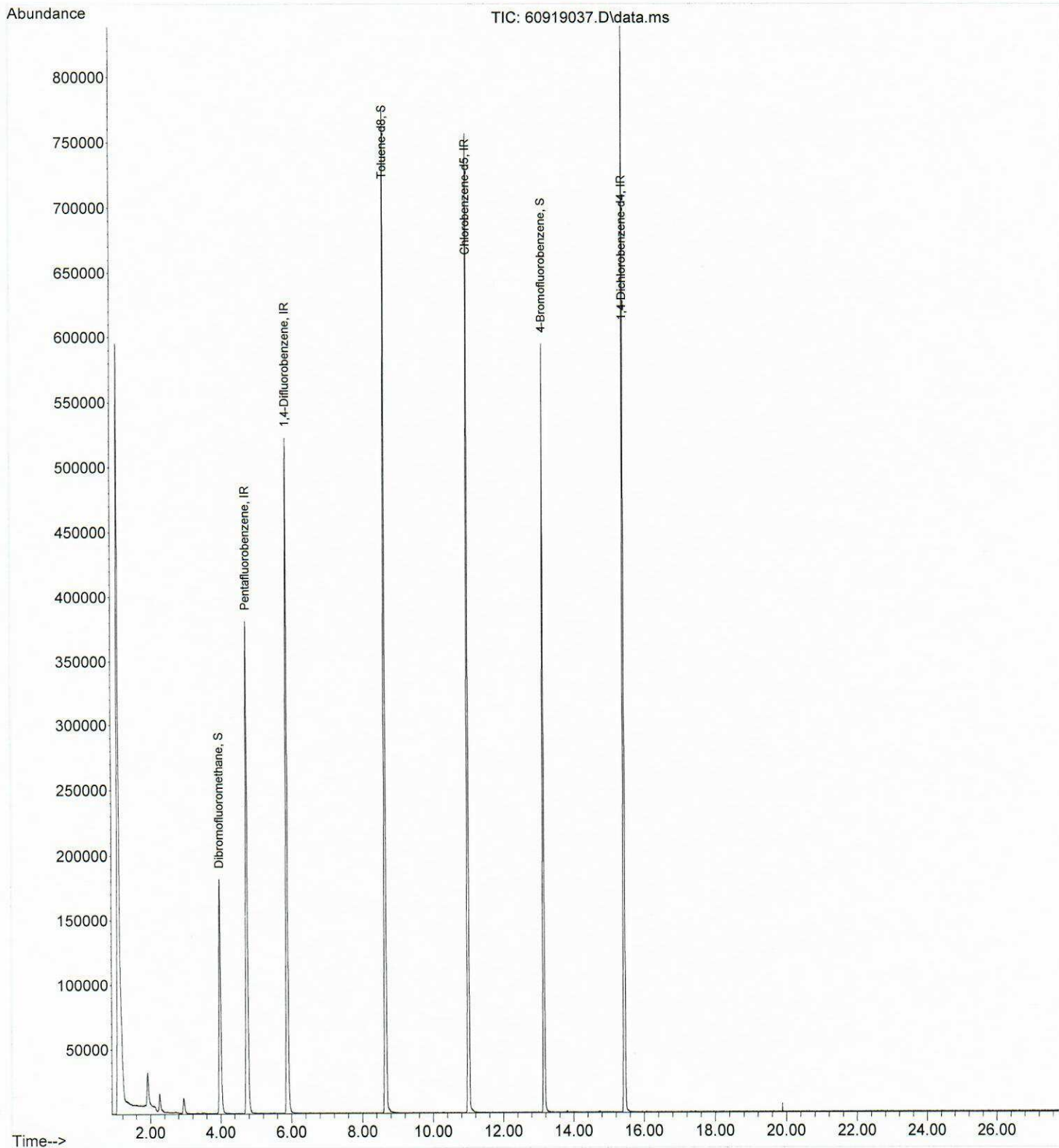
Project Manager: Quality Control Manager
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09/27/18 09:25

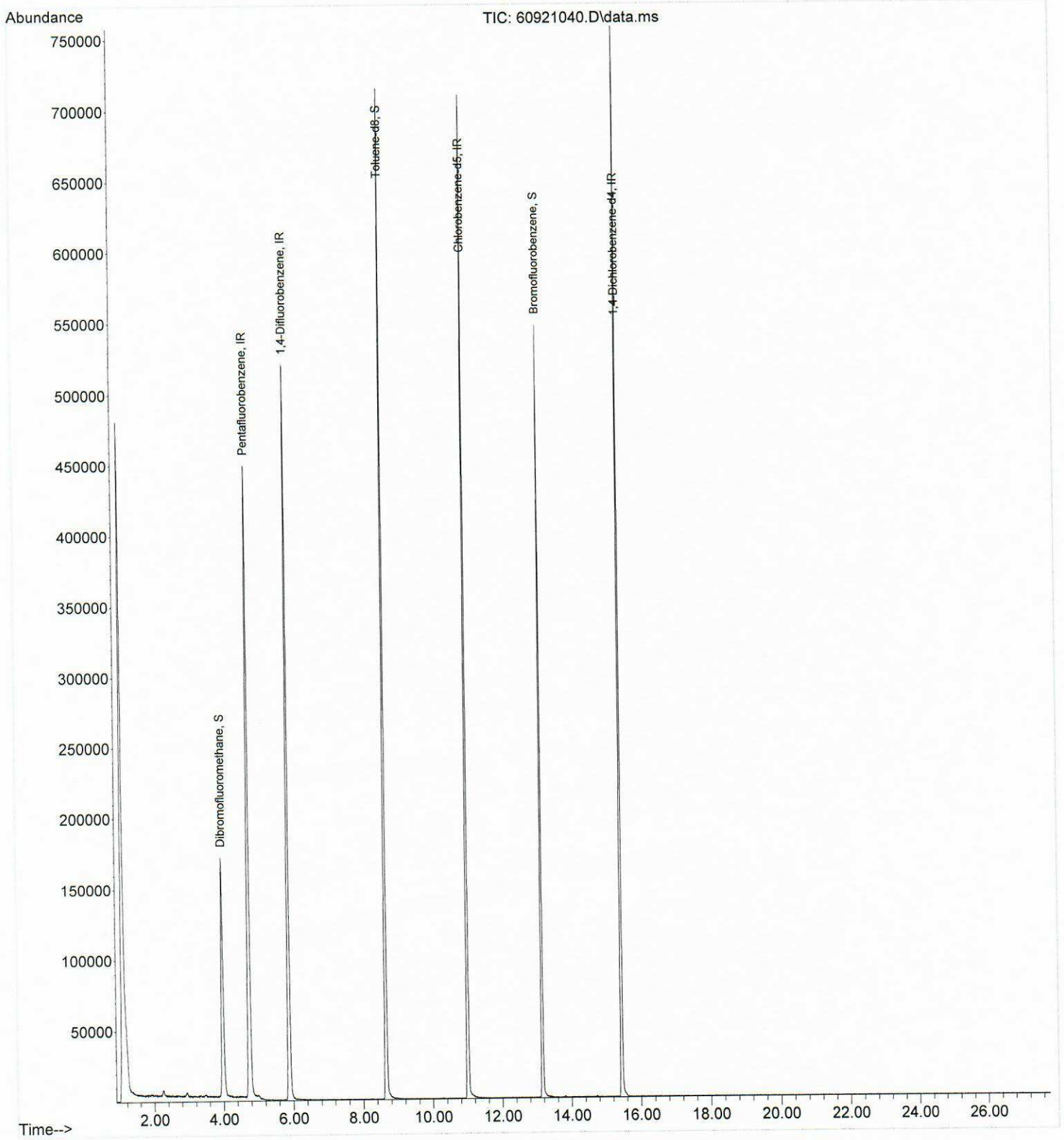
Notes and Definitions

- 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.
- QM-06 Although analyte recovery was out of control for this spike, sample data was accepted when subsequent analysis of QC showed acceptable recovery of the analyte.
- U Analyte included in analysis, but not detected at or above MDL.
- ND Analyte NOT DETECTED at or above the reporting limit
- dry Sample results reported on a dry weight basis
- MDL Method detection limit
- Rec Recovery
- RPD Relative Percent Difference

File :D:\MassHunter\GCMS\1\data\091918\60919037.D
Operator : JV/NBH
Acquired : 20 Sep 2018 03:05 am using AcqMethod MS6INS.M
Instrument : GCMS6
Sample Name: 18I1078-01
Misc Info :
Vial Number: 36



File :D:\MassHunter\GCMS\1\data\092218\60921040.D
Operator : JV/NBH
Acquired : 22 Sep 2018 03:37 pm using AcqMethod MS6INS.M
Instrument : GCMS6
Sample Name: 18I1078-02
Misc Info :
Vial Number: 40





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Chain of Custody Record

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

Lab No. 18T1078 Page of

Report to: Company: Sample Traps LLC		Invoice to (if different): Company:		Project Info for Report: Project ID: QC- 40ml Amber VOA Vial (HCL)		Signature below authorizes work under terms stated on reverse side.									
Attn: Quality Control Manager		Attn:		Project No: Silicone Batch Number 2018061002		Analyses Requested				TAT		Lab Approval Required For Rush TATs	Sample Notes (lab use only)		
Address:		Address:		PO/Reference :						10 days <input type="radio"/>			Temperature:		
Phone/Fax:		Phone/Fax:								5 days <input type="radio"/>		deg. C	Shipment Method:		
Email Address: admin@sampletraps.com		Email Address:								48 hours <input type="radio"/>		Custody Seals: Y / N			
Samplers Signature:										Other: days <input type="radio"/>					
Print:															
Sample Identification		Sampled: Date Time		Container:		Preservative:		Matrix:		Total Number of Containers			Sample Notes or CDPH Source Numbers:		
				40ml VOA		HCL		Water		8260 Sample Traps					
				Poly		Methanol		Container		524.2 Sample Traps					
				Glass bottle		Na Bisulfate				i-flags					
				Glass Jar		Other				include chromatograph with report					
A8254CVBS - 01		9-12-18		x		x		x		2		x	x		
A8254CVBS - 02		9-12-18		x		x		x		2		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							
<i>Per Sample Traps</i>		<i>[Signature]</i>		9-12-18		0800		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: _____ Sampling Company Log Code: _____							
								EDF to (Email Address): _____							
								Travel and Site Time:		Mileage:		Misc. Supplies:			