



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 Clear VOA- HCl

Work Order: 1811073

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 Clear VOA- HCl  
Project Number: Silicone Batch Number 2018061002

Reported:  
09/27/18 09:13

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B8254CVBS-01	1811073-01	Water	09/12/18 00:00	09/12/18 08:00
B8254CVBS-02	1811073-02	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 Clear VOA- HCl  
Project Number: Silicone Batch Number 2018061002

Reported:  
09/27/18 09:13

### Volatile Organic Compounds by EPA Method 524.2

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
<b>B8254CVBS-02 (1811073-02) Water Sampled: 09/12/18 00:00 Received: 09/12/18 08:00</b>												
Acetone	ND	2.0	5.0		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	EPA 524.2	JV	U
Acrylonitrile	ND	0.40	5.0		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	EPA 524.2	JV	U
Benzene	ND	0.30	0.30		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	EPA 524.2	JV	U
Bromobenzene	ND	0.20	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	EPA 524.2	JV	U
Bromochloromethane	ND	0.40	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	EPA 524.2	JV	U
Bromodichloromethane	ND	0.20	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	EPA 524.2	JV	U
Bromoform	ND	0.30	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	EPA 524.2	JV	U
Bromomethane	ND	0.40	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	EPA 524.2	JV	U
n-Butylbenzene	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	EPA 524.2	JV	U
sec-Butylbenzene	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	EPA 524.2	JV	U
tert-Butylbenzene	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	EPA 524.2	JV	U
Carbon disulfide	ND	0.40	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	EPA 524.2	JV	U
Carbon tetrachloride	ND	0.30	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	EPA 524.2	JV	U
Chlorobenzene	ND	0.20	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	EPA 524.2	JV	U
Chloroethane	ND	0.30	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	EPA 524.2	JV	U
Chloroform	ND	0.30	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	EPA 524.2	JV	U
Chloromethane	ND	0.40	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	EPA 524.2	JV	U
2-Chlorotoluene	ND	0.20	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	EPA 524.2	JV	U
4-Chlorotoluene	ND	0.20	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	EPA 524.2	JV	U
Dibromochloromethane	ND	0.30	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	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 14:30	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 14:30	EPA 524.2	JV	U
Dibromomethane	ND	0.20	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	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 14:30	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 14:30	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 14:30	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 14:30	EPA 524.2	JV	U
Dichlorodifluoromethane	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	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 14:30	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 14:30	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 14:30	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 14:30	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 14:30	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 14:30	EPA 524.2	JV	U

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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Sample Traps, LLC  
262 Rickenbacker Circle  
Livermore CA, 94551

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

Reported:  
09/27/18 09:13

### Volatile Organic Compounds by EPA Method 524.2

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
<b>B8254CVBS-02 (1811073-02) Water Sampled: 09/12/18 00:00 Received: 09/12/18 08:00</b>												
1,3-Dichloropropane	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	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 14:30	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 14:30	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 14:30	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 14:30	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 14:30	EPA 524.2	JV	U
2-Hexanone	ND	0.50	5.0		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	EPA 524.2	JV	U
Ethylbenzene	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	EPA 524.2	JV	U
Hexachlorobutadiene	ND	0.40	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	EPA 524.2	JV	U
Isopropylbenzene	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	EPA 524.2	JV	U
p-Isopropyltoluene	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	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 14:30	EPA 524.2	JV	U
Methyl iodide	ND	0.40	2.0		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	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 14:30	EPA 524.2	JV	U
Methylene chloride	ND	0.40	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	EPA 524.2	JV	U
Naphthalene	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	EPA 524.2	JV	U
n-Propylbenzene	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	EPA 524.2	JV	U
Styrene	ND	0.20	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	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 14:30	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 14:30	EPA 524.2	JV	U
Tetrachloroethene	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	EPA 524.2	JV	U
Toluene	ND	0.30	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	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 14:30	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 14:30	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 14:30	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 14:30	EPA 524.2	JV	U
Trichloroethene	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	EPA 524.2	JV	U
Trichlorofluoromethane	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	EPA 524.2	JV	U
Trichlorotrifluoroethane	ND	0.40	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	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 14:30	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 14:30	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 14:30	EPA 524.2	JV	U
Vinyl chloride	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	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 14:30	EPA 524.2	JV	U

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Sample Traps, LLC  
262 Rickenbacker Circle  
Livermore CA, 94551

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

Reported:  
09/27/18 09:13

### Volatile Organic Compounds by EPA Method 524.2

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
<b>B8254CVBS-02 (1811073-02) Water    Sampled: 09/12/18 00:00    Received: 09/12/18 08:00</b>												
o-Xylene	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	EPA 524.2	JV	U
Xylenes (total)	ND	0.50	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	EPA 524.2	JV	U
Trihalomethanes (total)	ND	0.30	0.50		ug/L	1	A183963	09/22/18 11:00	09/22/18 14:30	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 14:30	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 14:30	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 14:30	EPA 524.2	JV	U
Surrogate: Bromofluorobenzene		103 %	70-130				A183963	09/22/18 11:00	09/22/18 14:30	EPA 524.2	JV	
Surrogate: Dibromofluoromethane		84.0 %	70-130				A183963	09/22/18 11:00	09/22/18 14:30	EPA 524.2	JV	
Surrogate: Toluene-d8		112 %	70-130				A183963	09/22/18 11:00	09/22/18 14:30	EPA 524.2	JV	



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Sample Traps, LLC  
262 Rickenbacker Circle  
Livermore CA, 94551

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

Reported:  
09/27/18 09:13

### Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
<b>B8254CVBS-01 (1811073-01) Water Sampled: 09/12/18 00:00 Received: 09/12/18 08:00</b>												
Acetone	ND	0.90	5.0		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Acetonitrile	ND	50	100		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Acrylonitrile	ND	0.40	5.0		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Allyl chloride	ND	0.40	10		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Benzene	ND	0.30	0.30		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Bromobenzene	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Bromochloromethane	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Bromodichloromethane	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Bromoform	ND	0.30	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Bromomethane	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
n-Butylbenzene	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
sec-Butylbenzene	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
tert-Butylbenzene	ND	0.30	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Carbon disulfide	ND	0.40	5.0		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Carbon tetrachloride	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Chlorobenzene	ND	0.30	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Chloroethane	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Chloroform	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Chloromethane	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Chloroprene	ND	0.40	1.0		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
2-Chlorotoluene	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
4-Chlorotoluene	ND	0.30	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Dibromochloromethane	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
1,2-Dibromo-3-chloropropane	ND	0.60	2.0		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
1,2-Dibromoethane (EDB)	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Dibromomethane	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
1,2-Dichlorobenzene	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
1,3-Dichlorobenzene	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
1,4-Dichlorobenzene	ND	0.30	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
trans-1,4-Dichloro-2-butene	ND	0.50	5.0		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Dichlorodifluoromethane	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
1,1-Dichloroethane	ND	0.50	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
1,2-Dichloroethane	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
1,1-Dichloroethene	ND	0.30	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U

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Sample Traps, LLC  
262 Rickenbacker Circle  
Livermore CA, 94551

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

Reported:  
09/27/18 09:13

### Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
<b>B8254CVBS-01 (1811073-01) Water Sampled: 09/12/18 00:00 Received: 09/12/18 08:00</b>												
cis-1,2-Dichloroethene	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
trans-1,2-Dichloroethene	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
1,2-Dichloropropane	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
1,3-Dichloropropane	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
2,2-Dichloropropane	ND	0.50	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
1,1-Dichloropropene	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
cis-1,3-Dichloropropene	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
trans-1,3-Dichloropropene	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Diethyl ether	ND	0.50	1.0		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Di-isopropyl ether	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Ethanol	ND	50	50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Ethyl methacrylate	ND	0.30	10		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Ethylbenzene	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Ethyl tert-butyl ether	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Hexachlorobutadiene	ND	0.50	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Hexachloroethane	ND	0.40	1.0		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
2-Hexanone	ND	4.0	5.0		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Isobutanol	ND	40	100		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Isopropylbenzene	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
p-Isopropyltoluene	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Methacrylonitrile	ND	0.40	1.0		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Methylene chloride	ND	0.50	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Methyl ethyl ketone	ND	0.70	1.0		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Methyl iodide	ND	0.40	2.0		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Methyl isobutyl ketone	ND	0.60	1.0		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Methyl methacrylate	ND	0.40	1.0		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Methyl tert-butyl ether	ND	0.50	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Naphthalene	ND	0.50	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Propionitrile	ND	20	50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
n-Propylbenzene	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Styrene	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Tert-amyl methyl ether	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Tert-butyl alcohol	ND	6.0	10		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
1,1,1,2-Tetrachloroethane	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U

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Sample Traps, LLC  
262 Rickenbacker Circle  
Livermore CA, 94551

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

Reported:  
09/27/18 09:13

### Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	MDL	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
			Limit									
<b>B8254CVBS-01 (1811073-01) Water Sampled: 09/12/18 00:00 Received: 09/12/18 08:00</b>												
1,1,2,2-Tetrachloroethane	ND	0.30	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Tetrachloroethene	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Tetrahydrofuran	ND	4.0	5.0		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Toluene	ND	0.30	0.30		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
1,2,3-Trichlorobenzene	ND	0.50	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
1,2,4-Trichlorobenzene	ND	0.20	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
1,1,1-Trichloroethane	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
1,1,2-Trichloroethane	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Trichloroethene	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Trichlorofluoromethane	ND	0.50	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
1,2,3-Trichloropropane	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Trichlorotrifluoroethane	ND	0.50	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
1,2,4-Trimethylbenzene	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
1,3,5-Trimethylbenzene	ND	0.30	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Vinyl acetate	ND	0.80	1.0		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Vinyl chloride	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
m,p-Xylene	ND	0.50	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
o-Xylene	ND	0.40	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Xylenes (total)	ND	0.50	0.50		ug/L	1	A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	U
Surrogate: Bromofluorobenzene		96.4 %	70-130				A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	
Surrogate: Dibromofluoromethane		86.0 %	70-130				A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	
Surrogate: Toluene-d8		94.7 %	70-130				A183696	09/18/18 14:00	09/19/18 05:11	EPA 8260	JV	





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Sample Traps, LLC  
262 Rickenbacker Circle  
Livermore CA, 94551

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

Reported:  
09/27/18 09:13

### Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	Limit	RPD	Limit	Notes
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#### Batch 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 Clear VOA- HCl  
Project Number: Silicone Batch Number 2018061002

Reported:  
09/27/18 09:13

### 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 Clear VOA- HCl  
Project Number: Silicone Batch Number 2018061002

Reported:  
09/27/18 09:13

### 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 Clear VOA- HCl  
Project Number: Silicone Batch Number 2018061002

Reported:  
09/27/18 09:13

### 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 Clear VOA- HCl  
Project Number: Silicone Batch Number 2018061002

Reported:  
09/27/18 09:13

### 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-BS1)

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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Sample Traps, LLC  
262 Rickenbacker Circle  
Livermore CA, 94551

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

Reported:  
09/27/18 09:13

### 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 Clear VOA- HCl  
Project Number: Silicone Batch Number 2018061002

Reported:  
09/27/18 09:13

### 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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262 Rickenbacker Circle  
Livermore CA, 94551

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

Reported:  
09/27/18 09:13

### 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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Sample Traps, LLC  
262 Rickenbacker Circle  
Livermore CA, 94551

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

Reported:  
09/27/18 09:13

### 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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Sample Traps, LLC  
262 Rickenbacker Circle  
Livermore CA, 94551

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

Reported:  
09/27/18 09:13

### 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

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 Clear VOA- HCl  
Project Number: Silicone Batch Number 2018061002

Reported:  
09/27/18 09:13

### 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

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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 Clear VOA- HCl  
Project Number: Silicone Batch Number 2018061002

Reported:  
09/27/18 09:13

### 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 Clear VOA- HCl  
Project Number: Silicone Batch Number 2018061002

Reported:  
09/27/18 09:13

### 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 AI83696 - VOAs in Water GCMS

##### Blank (AI83696-BLK1)

Prepared & Analyzed: 09/18/18

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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Sample Traps, LLC  
262 Rickenbacker Circle  
Livermore CA, 94551

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

Reported:  
09/27/18 09:13

### 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 AI83696 - VOAs in Water GCMS

##### Blank (AI83696-BLK1)

Prepared & Analyzed: 09/18/18

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 Clear VOA- HCl  
Project Number: Silicone Batch Number 2018061002

Reported:  
09/27/18 09:13

### 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 AI83696 - VOAs in Water GCMS

##### Blank (AI83696-BLK1)

Prepared & Analyzed: 09/18/18

Tetrachloroethene	ND	0.40	0.50	ug/L							U
Tetrahydrofuran	ND	4.0	5.0	ug/L							U
Toluene	ND	0.30	0.30	ug/L							U
1,2,3-Trichlorobenzene	ND	0.50	0.50	ug/L							U
1,2,4-Trichlorobenzene	ND	0.20	0.50	ug/L							U
1,1,1-Trichloroethane	ND	0.40	0.50	ug/L							U
1,1,2-Trichloroethane	ND	0.40	0.50	ug/L							U
Trichloroethene	ND	0.40	0.50	ug/L							U
Trichlorofluoromethane	ND	0.50	0.50	ug/L							U
1,2,3-Trichloropropane	ND	0.40	0.50	ug/L							U
Trichlorotrifluoroethane	ND	0.50	0.50	ug/L							U
1,2,4-Trimethylbenzene	ND	0.40	0.50	ug/L							U
1,3,5-Trimethylbenzene	ND	0.30	0.50	ug/L							U
Vinyl acetate	ND	0.80	1.0	ug/L							U
Vinyl chloride	ND	0.40	0.50	ug/L							U
m,p-Xylene	ND	0.50	0.50	ug/L							U
o-Xylene	ND	0.40	0.50	ug/L							U
Xylenes (total)	ND	0.50	0.50	ug/L							U
Surrogate: Bromofluorobenzene	24.4			ug/L	25.0		97.6	70-130			
Surrogate: Dibromofluoromethane	22.3			ug/L	25.0		89.2	70-130			
Surrogate: Toluene-d8	23.8			ug/L	25.0		95.4	70-130			

##### LCS (AI83696-BS1)

Prepared & Analyzed: 09/18/18

Acetone	76.1	0.90	5.0	ug/L	80.0		95.1	48-124			
Acetonitrile	2000	50	100	ug/L	2000		100	70-130			
Acrylonitrile	19.9	0.40	5.0	ug/L	20.0		99.4	70-130			
Allyl chloride	20.6	0.40	10	ug/L	20.0		103	70-130			
Benzene	20.3	0.30	0.30	ug/L	20.0		101	82-122			
Bromobenzene	20.6	0.40	0.50	ug/L	20.0		103	83-122			
Bromochloromethane	20.4	0.40	0.50	ug/L	20.0		102	83-124			
Bromodichloromethane	24.5	0.40	0.50	ug/L	20.0		123	86-135			
Bromoform	19.2	0.30	0.50	ug/L	20.0		95.8	76-144			
Bromomethane	22.2	0.40	0.50	ug/L	20.0		111	69-145			
n-Butylbenzene	23.7	0.40	0.50	ug/L	20.0		118	79-132			
sec-Butylbenzene	21.1	0.40	0.50	ug/L	20.0		105	86-132			

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Sample Traps, LLC  
262 Rickenbacker Circle  
Livermore CA, 94551

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

Reported:  
09/27/18 09:13

### 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 AI83696 - VOAs in Water GCMS

##### LCS (AI83696-BS1)

Prepared & Analyzed: 09/18/18

tert-Butylbenzene	22.0	0.30	0.50	ug/L	20.0		110	82-126			
Carbon disulfide	22.6	0.40	5.0	ug/L	20.0		113	70-130			
Carbon tetrachloride	22.9	0.40	0.50	ug/L	20.0		115	77-134			
Chlorobenzene	19.8	0.30	0.50	ug/L	20.0		99.0	84-119			
Chloroethane	19.6	0.40	0.50	ug/L	20.0		98.2	68-133			
Chloroform	20.5	0.40	0.50	ug/L	20.0		102	81-122			
Chloromethane	21.4	0.40	0.50	ug/L	20.0		107	63-129			
Chloroprene	20.6	0.40	1.0	ug/L	20.0		103	70-130			
2-Chlorotoluene	21.2	0.40	0.50	ug/L	20.0		106	79-132			
4-Chlorotoluene	21.5	0.30	0.50	ug/L	20.0		108	80-122			
Dibromochloromethane	19.4	0.40	0.50	ug/L	20.0		97.0	83-135			
1,2-Dibromo-3-chloropropane	20.0	0.60	2.0	ug/L	20.0		99.8	73-128			
1,2-Dibromoethane (EDB)	21.2	0.40	0.50	ug/L	20.0		106	80-120			
Dibromomethane	20.6	0.40	0.50	ug/L	20.0		103	82-124			
1,2-Dichlorobenzene	20.3	0.40	0.50	ug/L	20.0		102	84-121			
1,3-Dichlorobenzene	20.1	0.40	0.50	ug/L	20.0		100	80-120			
1,4-Dichlorobenzene	19.6	0.30	0.50	ug/L	20.0		97.8	84-120			
trans-1,4-Dichloro-2-butene	23.6	0.50	5.0	ug/L	20.0		118	70-130			
Dichlorodifluoromethane	23.5	0.40	0.50	ug/L	20.0		117	52-142			
1,1-Dichloroethane	20.7	0.50	0.50	ug/L	20.0		104	81-126			
1,2-Dichloroethane	20.4	0.40	0.50	ug/L	20.0		102	77-117			
1,1-Dichloroethene	20.4	0.30	0.50	ug/L	20.0		102	71-151			
cis-1,2-Dichloroethene	19.9	0.40	0.50	ug/L	20.0		99.4	84-131			
trans-1,2-Dichloroethene	20.0	0.40	0.50	ug/L	20.0		100	79-128			
1,2-Dichloropropane	20.4	0.40	0.50	ug/L	20.0		102	82-125			
1,3-Dichloropropane	20.8	0.40	0.50	ug/L	20.0		104	83-120			
2,2-Dichloropropane	24.4	0.50	0.50	ug/L	20.0		122	80-125			
1,1-Dichloropropene	21.4	0.40	0.50	ug/L	20.0		107	85-130			
cis-1,3-Dichloropropene	20.4	0.40	0.50	ug/L	20.0		102	83-128			
trans-1,3-Dichloropropene	20.4	0.40	0.50	ug/L	20.0		102	67-129			
Diethyl ether	23.0	0.50	1.0	ug/L	20.0		115	70-130			
Di-isopropyl ether	21.2	0.40	0.50	ug/L	20.0		106	83-132			
Ethylbenzene	21.0	0.40	0.50	ug/L	20.0		105	84-124			
Ethyl methacrylate	19.8	0.30	10	ug/L	20.0		98.9	70-130			

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Sample Traps, LLC  
262 Rickenbacker Circle  
Livermore CA, 94551

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

Reported:  
09/27/18 09:13

### 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 AI83696 - VOAs in Water GCMS

##### LCS (AI83696-BS1)

Prepared & Analyzed: 09/18/18

Ethanol	854	50	50	ug/L	980		87.1	50-150			
Hexachloroethane	21.1	0.40	1.0	ug/L	20.0		105	70-130			
Ethyl tert-butyl ether	24.7	0.40	0.50	ug/L	20.0		123	74-127			
Hexachlorobutadiene	20.2	0.50	0.50	ug/L	20.0		101	75-135			
2-Hexanone	19.7	4.0	5.0	ug/L	20.0		98.4	70-130			
Isobutanol	2030	40	100	ug/L	2000		101	70-130			
Isopropylbenzene	21.6	0.40	0.50	ug/L	20.0		108	75-116			
p-Isopropyltoluene	22.3	0.40	0.50	ug/L	20.0		112	78-124			
Methacrylonitrile	20.5	0.40	1.0	ug/L	20.0		102	70-130			
Methylene chloride	20.2	0.50	0.50	ug/L	20.0		101	72-132			
Methyl ethyl ketone	50.8	0.70	1.0	ug/L	40.0		127	58-157			
Methyl iodide	20.9	0.40	2.0	ug/L	20.0		104	56-167			
Methyl isobutyl ketone	40.8	0.60	1.0	ug/L	40.0		102	70-130			
Methyl methacrylate	20.7	0.40	1.0	ug/L	20.0		103	70-130			
Methyl tert-butyl ether	20.7	0.50	0.50	ug/L	20.0		104	84-119			
Naphthalene	20.4	0.50	0.50	ug/L	20.0		102	84-134			
Propionitrile	1060	20	50	ug/L	1000		106	70-130			
n-Propylbenzene	21.9	0.40	0.50	ug/L	20.0		110	75-127			
Styrene	20.2	0.40	0.50	ug/L	20.0		101	80-125			
Tert-amyl methyl ether	19.2	0.40	0.50	ug/L	20.0		95.8	74-120			
Tert-butyl alcohol	472	6.0	10	ug/L	400		118	66-147			
1,1,1,2-Tetrachloroethane	19.2	0.40	0.50	ug/L	20.0		96.0	80-132			
1,1,2,2-Tetrachloroethane	20.9	0.30	0.50	ug/L	20.0		104	84-115			
Tetrachloroethene	19.6	0.40	0.50	ug/L	20.0		97.9	56-156			
Tetrahydrofuran	22.1	4.0	5.0	ug/L	20.0		110	70-130			
Toluene	20.8	0.30	0.30	ug/L	20.0		104	76-137			
1,2,4-Trichlorobenzene	22.0	0.20	0.50	ug/L	20.0		110	84-126			
1,2,3-Trichlorobenzene	21.6	0.50	0.50	ug/L	20.0		108	85-133			
1,1,1-Trichloroethane	20.9	0.40	0.50	ug/L	20.0		104	70-130			
1,1,2-Trichloroethane	20.2	0.40	0.50	ug/L	20.0		101	83-122			
Trichloroethene	20.3	0.40	0.50	ug/L	20.0		101	84-123			
Trichlorofluoromethane	21.4	0.50	0.50	ug/L	20.0		107	74-130			
1,2,3-Trichloropropane	20.7	0.40	0.50	ug/L	20.0		104	78-122			
Trichlorotrifluoroethane	19.9	0.50	0.50	ug/L	20.0		99.7	82-125			
1,2,4-Trimethylbenzene	22.7	0.40	0.50	ug/L	20.0		114	85-127			

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Livermore CA, 94551

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

Reported:  
09/27/18 09:13

### 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 AI83696 - VOAs in Water GCMS

##### LCS (AI83696-BS1)

Prepared & Analyzed: 09/18/18

1,3,5-Trimethylbenzene	22.2	0.30	0.50	ug/L	20.0		111	80-125			
Vinyl acetate	48.3	0.80	1.0	ug/L	40.0		121	60-140			
Vinyl chloride	20.4	0.40	0.50	ug/L	20.0		102	70-130			
m,p-Xylene	42.5	0.50	0.50	ug/L	40.0		106	81-124			
o-Xylene	21.0	0.40	0.50	ug/L	20.0		105	80-126			
Xylenes (total)	63.6	0.50	0.50	ug/L	60.0		106	81-126			
Surrogate: Bromofluorobenzene	24.9			ug/L	25.0		99.8	70-130			
Surrogate: Dibromofluoromethane	22.6			ug/L	25.0		90.3	70-130			
Surrogate: Toluene-d8	22.8			ug/L	25.0		91.4	70-130			

##### LCS Dup (AI83696-BSD1)

Prepared & Analyzed: 09/18/18

Acetone	79.9	0.90	5.0	ug/L	80.0		99.8	48-124	4.86	25	
Acetonitrile	2010	50	100	ug/L	2000		101	70-130	0.577	25	
Acrylonitrile	19.0	0.40	5.0	ug/L	20.0		95.2	70-130	4.37	25	
Allyl chloride	21.0	0.40	10	ug/L	20.0		105	70-130	1.68	25	
Benzene	20.2	0.30	0.30	ug/L	20.0		101	82-122	0.197	25	
Bromobenzene	20.6	0.40	0.50	ug/L	20.0		103	83-122	0.146	25	
Bromochloromethane	19.8	0.40	0.50	ug/L	20.0		99.2	83-124	2.68	25	
Bromodichloromethane	24.1	0.40	0.50	ug/L	20.0		120	86-135	1.77	25	
Bromoform	19.1	0.30	0.50	ug/L	20.0		95.5	76-144	0.314	25	
Bromomethane	21.9	0.40	0.50	ug/L	20.0		110	69-145	1.18	25	
n-Butylbenzene	23.9	0.40	0.50	ug/L	20.0		120	79-132	1.09	25	
sec-Butylbenzene	21.2	0.40	0.50	ug/L	20.0		106	86-132	0.568	25	
tert-Butylbenzene	22.0	0.30	0.50	ug/L	20.0		110	82-126	0.136	25	
Carbon disulfide	23.2	0.40	5.0	ug/L	20.0		116	70-130	2.54	30	
Carbon tetrachloride	22.9	0.40	0.50	ug/L	20.0		114	77-134	0.262	25	
Chlorobenzene	19.6	0.30	0.50	ug/L	20.0		97.8	84-119	1.27	25	
Chloroethane	20.0	0.40	0.50	ug/L	20.0		99.8	68-133	1.62	25	
Chloroform	20.0	0.40	0.50	ug/L	20.0		100	81-122	2.22	25	
Chloromethane	22.3	0.40	0.50	ug/L	20.0		111	63-129	3.80	25	
Chloroprene	20.6	0.40	1.0	ug/L	20.0		103	70-130	0.194	25	
2-Chlorotoluene	20.9	0.40	0.50	ug/L	20.0		104	79-132	1.80	25	
4-Chlorotoluene	21.4	0.30	0.50	ug/L	20.0		107	80-122	0.326	25	
Dibromochloromethane	19.3	0.40	0.50	ug/L	20.0		96.4	83-135	0.672	25	
1,2-Dibromo-3-chloropropane	20.5	0.60	2.0	ug/L	20.0		102	73-128	2.62	25	

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Sample Traps, LLC  
262 Rickenbacker Circle  
Livermore CA, 94551

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

Reported:  
09/27/18 09:13

### 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 AI83696 - VOAs in Water GCMS

##### LCS Dup (AI83696-BS1)

Prepared & Analyzed: 09/18/18

1,2-Dibromoethane (EDB)	21.3	0.40	0.50	ug/L	20.0		107	80-120	0.470	25	
Dibromomethane	20.3	0.40	0.50	ug/L	20.0		102	82-124	1.46	25	
1,2-Dichlorobenzene	19.8	0.40	0.50	ug/L	20.0		98.8	84-121	2.79	25	
1,3-Dichlorobenzene	19.9	0.40	0.50	ug/L	20.0		99.6	80-120	0.750	25	
1,4-Dichlorobenzene	19.2	0.30	0.50	ug/L	20.0		95.8	84-120	2.12	25	
trans-1,4-Dichloro-2-butene	23.9	0.50	5.0	ug/L	20.0		120	70-130	1.43	25	
Dichlorodifluoromethane	23.5	0.40	0.50	ug/L	20.0		118	52-142	0.298	25	
1,1-Dichloroethane	20.5	0.50	0.50	ug/L	20.0		103	81-126	0.873	25	
1,2-Dichloroethane	20.0	0.40	0.50	ug/L	20.0		100	77-117	2.18	25	
1,1-Dichloroethene	20.7	0.30	0.50	ug/L	20.0		104	71-151	1.80	25	
cis-1,2-Dichloroethene	19.5	0.40	0.50	ug/L	20.0		97.4	84-131	2.03	25	
trans-1,2-Dichloroethene	20.3	0.40	0.50	ug/L	20.0		102	79-128	1.49	25	
1,2-Dichloropropane	20.2	0.40	0.50	ug/L	20.0		101	82-125	0.838	25	
1,3-Dichloropropane	20.4	0.40	0.50	ug/L	20.0		102	83-120	1.99	25	
2,2-Dichloropropane	24.1	0.50	0.50	ug/L	20.0		120	80-125	1.28	25	
1,1-Dichloropropene	21.8	0.40	0.50	ug/L	20.0		109	85-130	1.90	25	
cis-1,3-Dichloropropene	20.6	0.40	0.50	ug/L	20.0		103	83-128	1.12	25	
trans-1,3-Dichloropropene	20.8	0.40	0.50	ug/L	20.0		104	67-129	1.94	25	
Diethyl ether	20.9	0.50	1.0	ug/L	20.0		104	70-130	9.49	25	
Di-isopropyl ether	21.1	0.40	0.50	ug/L	20.0		105	83-132	0.474	25	
Ethanol	840	50	50	ug/L	980		85.8	50-150	1.57	25	
Ethylbenzene	21.0	0.40	0.50	ug/L	20.0		105	84-124	0.0952	25	
Ethyl methacrylate	20.2	0.30	10	ug/L	20.0		101	70-130	2.15	25	
Ethyl tert-butyl ether	24.7	0.40	0.50	ug/L	20.0		123	74-127	0.0405	25	
Hexachloroethane	21.5	0.40	1.0	ug/L	20.0		107	70-130	1.88	25	
Hexachlorobutadiene	20.2	0.50	0.50	ug/L	20.0		101	75-135	0.0992	25	
2-Hexanone	19.8	4.0	5.0	ug/L	20.0		99.0	70-130	0.608	30	
Isobutanol	2020	40	100	ug/L	2000		101	70-130	0.426	25	
Isopropylbenzene	21.6	0.40	0.50	ug/L	20.0		108	75-116	0.185	25	
p-Isopropyltoluene	22.6	0.40	0.50	ug/L	20.0		113	78-124	1.20	25	
Methylene chloride	20.0	0.50	0.50	ug/L	20.0		99.9	72-132	1.05	25	
Methacrylonitrile	20.0	0.40	1.0	ug/L	20.0		100	70-130	2.27	25	
Methyl ethyl ketone	48.4	0.70	1.0	ug/L	40.0		121	58-157	4.90	25	
Methyl iodide	20.9	0.40	2.0	ug/L	20.0		105	56-167	0.191	30	

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Sample Traps, LLC  
262 Rickenbacker Circle  
Livermore CA, 94551

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

Reported:  
09/27/18 09:13

### 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 AI83696 - VOAs in Water GCMS

##### LCS Dup (AI83696-BSD1)

Prepared & Analyzed: 09/18/18

Methyl isobutyl ketone	41.1	0.60	1.0	ug/L	40.0	103	70-130	0.611	25	
Methyl methacrylate	21.4	0.40	1.0	ug/L	20.0	107	70-130	3.51	25	
Propionitrile	1070	20	50	ug/L	1000	107	70-130	0.808	25	
Naphthalene	20.2	0.50	0.50	ug/L	20.0	101	84-134	1.03	25	
Methyl tert-butyl ether	21.1	0.50	0.50	ug/L	20.0	105	84-119	1.77	25	
n-Propylbenzene	22.0	0.40	0.50	ug/L	20.0	110	75-127	0.182	25	
Styrene	19.9	0.40	0.50	ug/L	20.0	99.7	80-125	1.25	25	
Tert-amyl methyl ether	19.2	0.40	0.50	ug/L	20.0	95.8	74-120	0.00	25	
Tert-butyl alcohol	438	6.0	10	ug/L	400	109	66-147	7.58	25	
1,1,1,2-Tetrachloroethane	19.3	0.40	0.50	ug/L	20.0	96.6	80-132	0.623	25	
1,1,2,2-Tetrachloroethane	20.6	0.30	0.50	ug/L	20.0	103	84-115	1.64	25	
Tetrachloroethene	20.0	0.40	0.50	ug/L	20.0	100	56-156	2.17	25	
Tetrahydrofuran	21.7	4.0	5.0	ug/L	20.0	108	70-130	1.92	25	
Toluene	20.7	0.30	0.30	ug/L	20.0	103	76-137	0.386	25	
1,2,4-Trichlorobenzene	22.1	0.20	0.50	ug/L	20.0	110	84-126	0.590	25	
1,2,3-Trichlorobenzene	21.5	0.50	0.50	ug/L	20.0	107	85-133	0.742	25	
1,1,1-Trichloroethane	21.2	0.40	0.50	ug/L	20.0	106	70-130	1.66	25	
1,1,2-Trichloroethane	20.0	0.40	0.50	ug/L	20.0	99.9	83-122	1.34	25	
Trichloroethene	20.2	0.40	0.50	ug/L	20.0	101	84-123	0.445	25	
Trichlorofluoromethane	21.6	0.50	0.50	ug/L	20.0	108	74-130	0.884	25	
1,2,3-Trichloropropane	20.4	0.40	0.50	ug/L	20.0	102	78-122	1.60	25	
Trichlorotrifluoroethane	20.1	0.50	0.50	ug/L	20.0	100	82-125	0.600	25	
1,2,4-Trimethylbenzene	22.7	0.40	0.50	ug/L	20.0	113	85-127	0.220	25	
1,3,5-Trimethylbenzene	22.2	0.30	0.50	ug/L	20.0	111	80-125	0.0901	25	
Vinyl acetate	49.0	0.80	1.0	ug/L	40.0	122	60-140	1.46	25	
Vinyl chloride	20.7	0.40	0.50	ug/L	20.0	104	70-130	1.56	25	
m,p-Xylene	42.2	0.50	0.50	ug/L	40.0	106	81-124	0.732	25	
o-Xylene	21.0	0.40	0.50	ug/L	20.0	105	80-126	0.429	25	
Xylenes (total)	63.2	0.50	0.50	ug/L	60.0	105	81-126	0.631	25	
Surrogate: Bromofluorobenzene	24.3			ug/L	25.0	97.0	70-130			
Surrogate: Dibromofluoromethane	22.2			ug/L	25.0	88.9	70-130			
Surrogate: Toluene-d8	22.6			ug/L	25.0	90.2	70-130			

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Sample Traps, LLC  
262 Rickenbacker Circle  
Livermore CA, 94551

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

Reported:  
09/27/18 09:13

### 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 AI83696 - VOAs in Water GCMS

Matrix Spike (AI83696-MS1)	Source: 1810568-01			Prepared: 09/18/18 Analyzed: 09/19/18		QM-05		
Acetone	161	0.90	5.0	ug/L	80.0	ND	202	32-164
Acetonitrile	5740	50	100	ug/L	2000	ND	287	70-130
Allyl chloride	18.5	0.40	10	ug/L	20.0	ND	92.4	70-130
Acrylonitrile	31.9	0.40	5.0	ug/L	20.0	ND	160	70-130
Benzene	21.6	0.30	0.30	ug/L	20.0	ND	108	58-139
Bromobenzene	21.8	0.40	0.50	ug/L	20.0	ND	109	63-143
Bromochloromethane	21.7	0.40	0.50	ug/L	20.0	ND	108	60-141
Bromodichloromethane	25.2	0.40	0.50	ug/L	20.0	ND	126	62-140
Bromoform	16.9	0.30	0.50	ug/L	20.0	ND	84.6	47-165
Bromomethane	15.7	0.40	0.50	ug/L	20.0	ND	78.4	30-163
n-Butylbenzene	26.1	0.40	0.50	ug/L	20.0	ND	130	57-147
sec-Butylbenzene	23.6	0.40	0.50	ug/L	20.0	ND	118	64-155
tert-Butylbenzene	24.0	0.30	0.50	ug/L	20.0	ND	120	57-150
Carbon disulfide	24.5	0.40	5.0	ug/L	20.0	ND	123	70-130
Carbon tetrachloride	24.6	0.40	0.50	ug/L	20.0	ND	123	65-153
Chlorobenzene	20.6	0.30	0.50	ug/L	20.0	ND	103	58-137
Chloroethane	22.5	0.40	0.50	ug/L	20.0	ND	113	59-141
Chloroform	21.6	0.40	0.50	ug/L	20.0	ND	108	36-151
Chloromethane	19.7	0.40	0.50	ug/L	20.0	ND	98.4	69-149
Chloroprene	22.4	0.40	1.0	ug/L	20.0	ND	112	70-130
2-Chlorotoluene	22.8	0.40	0.50	ug/L	20.0	ND	114	54-150
4-Chlorotoluene	22.9	0.30	0.50	ug/L	20.0	ND	114	59-140
Dibromochloromethane	18.5	0.40	0.50	ug/L	20.0	ND	92.4	54-157
1,2-Dibromo-3-chloropropane	21.2	0.60	2.0	ug/L	20.0	ND	106	54-137
1,2-Dibromoethane (EDB)	22.1	0.40	0.50	ug/L	20.0	ND	111	40-147
Dibromomethane	22.0	0.40	0.50	ug/L	20.0	ND	110	59-139
1,2-Dichlorobenzene	20.9	0.40	0.50	ug/L	20.0	ND	105	39-145
1,3-Dichlorobenzene	21.5	0.40	0.50	ug/L	20.0	ND	108	54-137
1,4-Dichlorobenzene	20.2	0.30	0.50	ug/L	20.0	ND	101	41-142
trans-1,4-Dichloro-2-butene	7.27	0.50	5.0	ug/L	20.0	ND	36.4	70-130
Dichlorodifluoromethane	25.6	0.40	0.50	ug/L	20.0	ND	128	39-162
1,1-Dichloroethane	22.5	0.50	0.50	ug/L	20.0	ND	112	39-146
1,2-Dichloroethane	21.6	0.40	0.50	ug/L	20.0	ND	108	58-133
1,1-Dichloroethene	22.3	0.30	0.50	ug/L	20.0	ND	111	70-154

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Livermore CA, 94551

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

Reported:  
09/27/18 09:13

### 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 AI83696 - VOAs in Water GCMS

Matrix Spike (AI83696-MS1)	Source: 1810568-01			Prepared: 09/18/18 Analyzed: 09/19/18		QM-05		
cis-1,2-Dichloroethene	21.4	0.40	0.50	ug/L	20.0	ND	107	66-141
trans-1,2-Dichloroethene	21.7	0.40	0.50	ug/L	20.0	ND	108	59-151
1,2-Dichloropropane	21.3	0.40	0.50	ug/L	20.0	ND	107	41-142
1,3-Dichloropropane	21.8	0.40	0.50	ug/L	20.0	ND	109	62-139
2,2-Dichloropropane	27.9	0.50	0.50	ug/L	20.0	ND	140	40-167
1,1-Dichloropropene	24.0	0.40	0.50	ug/L	20.0	ND	120	58-148
cis-1,3-Dichloropropene	18.0	0.40	0.50	ug/L	20.0	ND	90.0	50-140
trans-1,3-Dichloropropene	18.2	0.40	0.50	ug/L	20.0	ND	91.2	40-144
Diethyl ether	22.6	0.50	1.0	ug/L	20.0	ND	113	70-130
Di-isopropyl ether	22.3	0.40	0.50	ug/L	20.0	ND	111	49-143
Ethanol	2800	50	50	ug/L	980	ND	286	50-150
Ethyl methacrylate	21.0	0.30	10	ug/L	20.0	ND	105	70-130
Ethylbenzene	22.5	0.40	0.50	ug/L	20.0	ND	112	59-147
Ethyl tert-butyl ether	30.6	0.40	0.50	ug/L	20.0	ND	153	44-143
Hexachlorobutadiene	22.8	0.50	0.50	ug/L	20.0	ND	114	56-149
Hexachloroethane	19.6	0.40	1.0	ug/L	20.0	ND	97.8	70-130
2-Hexanone	21.2	4.0	5.0	ug/L	20.0	ND	106	70-130
Isobutanol	6390	40	100	ug/L	2000	ND	320	70-130
Isopropylbenzene	23.4	0.40	0.50	ug/L	20.0	ND	117	56-134
p-Isopropyltoluene	24.9	0.40	0.50	ug/L	20.0	ND	125	54-148
Methacrylonitrile	23.8	0.40	1.0	ug/L	20.0	ND	119	70-130
Methylene chloride	20.4	0.50	0.50	ug/L	20.0	ND	102	43-143
Methyl ethyl ketone	86.2	0.70	1.0	ug/L	40.0	ND	216	62-126
Methyl iodide	20.8	0.40	2.0	ug/L	20.0	ND	104	70-130
Methyl isobutyl ketone	45.5	0.60	1.0	ug/L	40.0	ND	114	66-127
Methyl methacrylate	23.0	0.40	1.0	ug/L	20.0	ND	115	70-130
Naphthalene	21.6	0.50	0.50	ug/L	20.0	ND	108	52-157
Propionitrile	2330	20	50	ug/L	1000	ND	233	70-130
Methyl tert-butyl ether	20.6	0.50	0.50	ug/L	20.0	ND	103	55-144
n-Propylbenzene	23.8	0.40	0.50	ug/L	20.0	ND	119	55-145
Styrene	21.2	0.40	0.50	ug/L	20.0	ND	106	51-157
Tert-amyl methyl ether	22.6	0.40	0.50	ug/L	20.0	ND	113	41-136
Tert-butyl alcohol	1870	6.0	10	ug/L	400	ND	467	38-175
1,1,1,2-Tetrachloroethane	19.7	0.40	0.50	ug/L	20.0	ND	98.5	58-146
1,1,2,2-Tetrachloroethane	21.9	0.30	0.50	ug/L	20.0	ND	110	73-127

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Livermore CA, 94551

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

Reported:  
09/27/18 09:13

### 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 AI83696 - VOAs in Water GCMS

Matrix Spike (AI83696-MS1)	Source: 1810568-01			Prepared: 09/18/18 Analyzed: 09/19/18				QM-05
Tetrachloroethene	22.7	0.40	0.50	ug/L	20.0	ND	113	49-148
Tetrahydrofuran	30.8	4.0	5.0	ug/L	20.0	ND	154	70-130
Toluene	25.8	0.30	0.30	ug/L	20.0	3.47	112	59-147
1,2,4-Trichlorobenzene	23.5	0.20	0.50	ug/L	20.0	ND	117	50-150
1,2,3-Trichlorobenzene	23.2	0.50	0.50	ug/L	20.0	ND	116	50-161
1,1,1-Trichloroethane	22.4	0.40	0.50	ug/L	20.0	ND	112	38-164
1,1,2-Trichloroethane	21.1	0.40	0.50	ug/L	20.0	ND	105	46-136
Trichloroethene	21.6	0.40	0.50	ug/L	20.0	ND	108	58-140
Trichlorofluoromethane	23.7	0.50	0.50	ug/L	20.0	ND	118	56-144
1,2,3-Trichloropropane	21.8	0.40	0.50	ug/L	20.0	ND	109	61-139
Trichlorotrifluoroethane	22.3	0.50	0.50	ug/L	20.0	ND	111	59-139
1,2,4-Trimethylbenzene	24.5	0.40	0.50	ug/L	20.0	ND	123	58-152
1,3,5-Trimethylbenzene	24.1	0.30	0.50	ug/L	20.0	ND	120	58-148
Vinyl acetate	38.6	0.80	1.0	ug/L	40.0	ND	96.6	70-130
Vinyl chloride	20.8	0.40	0.50	ug/L	20.0	ND	104	53-160
m,p-Xylene	45.4	0.50	0.50	ug/L	40.0	ND	114	53-147
o-Xylene	22.2	0.40	0.50	ug/L	20.0	ND	111	55-148
Xylenes (total)	67.6	0.50	0.50	ug/L	60.0	ND	113	49-153
Surrogate: Bromofluorobenzene	24.4			ug/L	25.0		97.8	70-130
Surrogate: Dibromofluoromethane	22.8			ug/L	25.0		91.2	70-130
Surrogate: Toluene-d8	22.7			ug/L	25.0		90.7	70-130

Matrix Spike Dup (AI83696-MSD1)	Source: 1810568-01			Prepared: 09/18/18 Analyzed: 09/19/18				QM-05		
Acetone	191	0.90	5.0	ug/L	80.0	ND	239	32-164	16.7	25
Acetonitrile	9250	50	100	ug/L	2000	ND	462	70-130	46.8	25
Allyl chloride	22.6	0.40	10	ug/L	20.0	ND	113	70-130	20.0	25
Acrylonitrile	32.7	0.40	5.0	ug/L	20.0	ND	164	70-130	2.35	25
Benzene	21.6	0.30	0.30	ug/L	20.0	ND	108	58-139	0.0464	25
Bromobenzene	21.3	0.40	0.50	ug/L	20.0	ND	107	63-143	2.18	25
Bromochloromethane	21.1	0.40	0.50	ug/L	20.0	ND	106	60-141	2.48	25
Bromodichloromethane	24.7	0.40	0.50	ug/L	20.0	ND	123	62-140	2.13	25
Bromoform	15.7	0.30	0.50	ug/L	20.0	ND	78.4	47-165	7.55	25
Bromomethane	22.5	0.40	0.50	ug/L	20.0	ND	113	30-163	35.8	25
n-Butylbenzene	26.1	0.40	0.50	ug/L	20.0	ND	130	57-147	0.0767	25
sec-Butylbenzene	23.3	0.40	0.50	ug/L	20.0	ND	117	64-155	1.07	25

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Sample Traps, LLC  
262 Rickenbacker Circle  
Livermore CA, 94551

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

Reported:  
09/27/18 09:13

### 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 AI83696 - VOAs in Water GCMS

Matrix Spike Dup (AI83696-MSD1)	Source: 1810568-01	Prepared: 09/18/18	Analyzed: 09/19/18	QM-05					
tert-Butylbenzene	23.9	0.30	0.50 ug/L	20.0	ND	119	57-150	0.626	25
Carbon disulfide	24.2	0.40	5.0 ug/L	20.0	ND	121	70-130	1.07	30
Carbon tetrachloride	25.1	0.40	0.50 ug/L	20.0	ND	125	65-153	1.97	25
Chlorobenzene	20.5	0.30	0.50 ug/L	20.0	ND	103	58-137	0.583	25
Chloroethane	14.3	0.40	0.50 ug/L	20.0	ND	71.7	59-141	44.4	25
Chloroform	21.7	0.40	0.50 ug/L	20.0	ND	108	36-151	0.277	25
Chloromethane	22.6	0.40	0.50 ug/L	20.0	ND	113	69-149	13.9	25
Chloroprene	22.8	0.40	1.0 ug/L	20.0	ND	114	70-130	2.08	25
2-Chlorotoluene	22.4	0.40	0.50 ug/L	20.0	ND	112	54-150	1.77	25
4-Chlorotoluene	22.8	0.30	0.50 ug/L	20.0	ND	114	59-140	0.394	25
Dibromochloromethane	18.0	0.40	0.50 ug/L	20.0	ND	89.8	54-157	2.91	25
1,2-Dibromo-3-chloropropane	20.6	0.60	2.0 ug/L	20.0	ND	103	54-137	2.73	25
1,2-Dibromoethane (EDB)	21.8	0.40	0.50 ug/L	20.0	ND	109	40-147	1.73	25
Dibromomethane	21.8	0.40	0.50 ug/L	20.0	ND	109	59-139	1.32	25
1,2-Dichlorobenzene	20.3	0.40	0.50 ug/L	20.0	ND	102	39-145	2.96	25
1,3-Dichlorobenzene	20.9	0.40	0.50 ug/L	20.0	ND	105	54-137	2.92	25
1,4-Dichlorobenzene	20.0	0.30	0.50 ug/L	20.0	ND	99.8	41-142	1.34	25
trans-1,4-Dichloro-2-butene	8.54	0.50	5.0 ug/L	20.0	ND	42.7	70-130	16.1	25
Dichlorodifluoromethane	25.8	0.40	0.50 ug/L	20.0	ND	129	39-162	0.855	25
1,1-Dichloroethane	22.5	0.50	0.50 ug/L	20.0	ND	113	39-146	0.0444	25
1,2-Dichloroethane	21.2	0.40	0.50 ug/L	20.0	ND	106	58-133	1.92	25
1,1-Dichloroethene	22.3	0.30	0.50 ug/L	20.0	ND	112	70-154	0.224	25
cis-1,2-Dichloroethene	21.1	0.40	0.50 ug/L	20.0	ND	105	66-141	1.27	25
trans-1,2-Dichloroethene	22.2	0.40	0.50 ug/L	20.0	ND	111	59-151	2.19	25
1,2-Dichloropropane	21.6	0.40	0.50 ug/L	20.0	ND	108	41-142	1.31	25
1,3-Dichloropropane	21.2	0.40	0.50 ug/L	20.0	ND	106	62-139	2.84	25
2,2-Dichloropropane	28.7	0.50	0.50 ug/L	20.0	ND	143	40-167	2.61	25
1,1-Dichloropropene	24.3	0.40	0.50 ug/L	20.0	ND	121	58-148	1.08	25
cis-1,3-Dichloropropene	19.1	0.40	0.50 ug/L	20.0	ND	95.6	50-140	6.09	25
trans-1,3-Dichloropropene	19.2	0.40	0.50 ug/L	20.0	ND	96.0	40-144	5.08	25
Diethyl ether	21.6	0.50	1.0 ug/L	20.0	ND	108	70-130	4.29	25
Di-isopropyl ether	22.0	0.40	0.50 ug/L	20.0	ND	110	49-143	1.04	25
Ethyl methacrylate	21.1	0.30	10 ug/L	20.0	ND	105	70-130	0.523	25
Ethylbenzene	22.6	0.40	0.50 ug/L	20.0	ND	113	59-147	0.533	25

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Sample Traps, LLC  
262 Rickenbacker Circle  
Livermore CA, 94551

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

Reported:  
09/27/18 09:13

### 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 AI83696 - VOAs in Water GCMS

Matrix Spike Dup (AI83696-MSD1)	Source: 1810568-01		Prepared: 09/18/18		Analyzed: 09/19/18		QM-05				
Ethanol	2850	50	50	ug/L	980	ND	291	50-150	1.74	25	
Ethyl tert-butyl ether	31.5	0.40	0.50	ug/L	20.0	ND	158	44-143	3.09	25	
Hexachloroethane	19.3	0.40	1.0	ug/L	20.0	ND	96.5	70-130	1.29	25	
Hexachlorobutadiene	22.3	0.50	0.50	ug/L	20.0	ND	112	56-149	2.35	25	
2-Hexanone	21.2	4.0	5.0	ug/L	20.0	ND	106	70-130	0.189	30	
Isopropylbenzene	23.4	0.40	0.50	ug/L	20.0	ND	117	56-134	0.214	25	
Isobutanol	9130	40	100	ug/L	2000	ND	456	70-130	35.2	25	
p-Isopropyltoluene	24.7	0.40	0.50	ug/L	20.0	ND	124	54-148	0.967	25	
Methylene chloride	20.1	0.50	0.50	ug/L	20.0	ND	101	43-143	1.28	25	
Methacrylonitrile	23.2	0.40	1.0	ug/L	20.0	ND	116	70-130	2.46	25	
Methyl ethyl ketone	80.4	0.70	1.0	ug/L	40.0	ND	201	62-126	7.03	25	
Methyl iodide	20.5	0.40	2.0	ug/L	20.0	ND	103	70-130	1.64	30	
Methyl isobutyl ketone	44.8	0.60	1.0	ug/L	40.0	ND	112	66-127	1.44	25	
Methyl methacrylate	23.5	0.40	1.0	ug/L	20.0	ND	118	70-130	2.19	25	
Propionitrile	3010	20	50	ug/L	1000	ND	301	70-130	25.6	25	
Methyl tert-butyl ether	20.8	0.50	0.50	ug/L	20.0	ND	104	55-144	1.45	25	
Naphthalene	21.5	0.50	0.50	ug/L	20.0	ND	107	52-157	0.742	25	
n-Propylbenzene	24.0	0.40	0.50	ug/L	20.0	ND	120	55-145	0.752	25	
Styrene	20.9	0.40	0.50	ug/L	20.0	ND	104	51-157	1.57	25	
Tert-amyl methyl ether	22.9	0.40	0.50	ug/L	20.0	ND	115	41-136	1.23	25	
Tert-butyl alcohol	2480	6.0	10	ug/L	400	ND	619	38-175	28.0	25	
1,1,1,2-Tetrachloroethane	19.6	0.40	0.50	ug/L	20.0	ND	98.2	58-146	0.305	25	
1,1,2,2-Tetrachloroethane	21.2	0.30	0.50	ug/L	20.0	ND	106	73-127	3.25	25	
Tetrachloroethene	23.0	0.40	0.50	ug/L	20.0	ND	115	49-148	1.18	25	
Tetrahydrofuran	31.1	4.0	5.0	ug/L	20.0	ND	156	70-130	1.20	25	
Toluene	25.8	0.30	0.30	ug/L	20.0	3.47	111	59-147	0.271	25	
1,2,3-Trichlorobenzene	22.9	0.50	0.50	ug/L	20.0	ND	114	50-161	1.22	25	
1,2,4-Trichlorobenzene	23.2	0.20	0.50	ug/L	20.0	ND	116	50-150	0.985	25	
1,1,1-Trichloroethane	22.2	0.40	0.50	ug/L	20.0	ND	111	38-164	0.717	25	
1,1,2-Trichloroethane	20.7	0.40	0.50	ug/L	20.0	ND	103	46-136	1.97	25	
Trichloroethene	21.7	0.40	0.50	ug/L	20.0	ND	108	58-140	0.648	25	
Trichlorofluoromethane	24.5	0.50	0.50	ug/L	20.0	ND	123	56-144	3.57	25	
1,2,3-Trichloropropane	21.2	0.40	0.50	ug/L	20.0	ND	106	61-139	2.51	25	
Trichlorotrifluoroethane	22.4	0.50	0.50	ug/L	20.0	ND	112	59-139	0.492	25	
1,2,4-Trimethylbenzene	24.4	0.40	0.50	ug/L	20.0	ND	122	58-152	0.654	25	

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

Reported:  
09/27/18 09:13

### 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 AI83696 - VOAs in Water GCMS

Matrix Spike Dup (AI83696-MSD1)	Source: 18I0568-01		Prepared: 09/18/18		Analyzed: 09/19/18		QM-05			
1,3,5-Trimethylbenzene	23.9	0.30	0.50	ug/L	20.0	ND	119	58-148	0.959	25
Vinyl acetate	38.1	0.80	1.0	ug/L	40.0	ND	95.2	70-130	1.49	25
Vinyl chloride	15.2	0.40	0.50	ug/L	20.0	ND	76.0	53-160	31.0	25
m,p-Xylene	45.7	0.50	0.50	ug/L	40.0	ND	114	53-147	0.505	25
o-Xylene	22.0	0.40	0.50	ug/L	20.0	ND	110	55-148	0.679	25
Xylenes (total)	67.7	0.50	0.50	ug/L	60.0	ND	113	49-153	0.118	25
Surrogate: Bromofluorobenzene	24.6			ug/L	25.0		98.3	70-130		
Surrogate: Dibromofluoromethane	23.0			ug/L	25.0		92.2	70-130		
Surrogate: Toluene-d8	22.6			ug/L	25.0		90.2	70-130		



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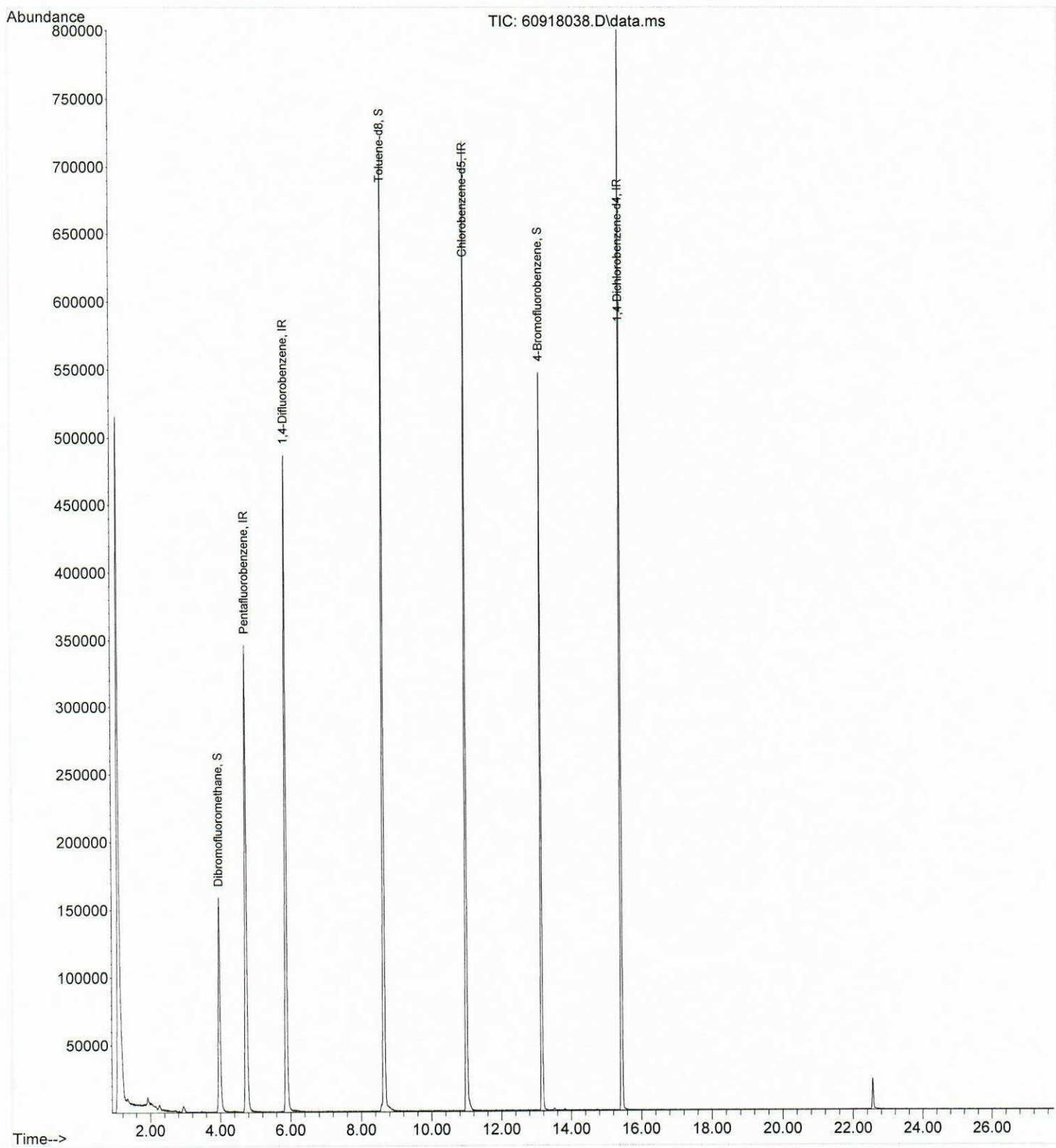
Project Manager: Quality Control Manager  
Project: QC- 40ml Clear VOA- HCl  
Project Number: Silicone Batch Number 2018061002

Reported:  
09/27/18 09:13

### 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:\MassHunter\GCMS\1\data\091818\60918038.D  
Operator : JV/NBH  
Acquired : 19 Sep 2018 05:11 am using AcqMethod MS6INS.M  
Instrument : GCMS6  
Sample Name: 18I1073-01  
Misc Info :  
Vial Number: 38



File :D:\MassHunter\GCMS\1\data\092218\60921038.D  
Operator : JV/NBH  
Acquired : 22 Sep 2018 02:30 pm using AcqMethod MS6INS.M  
Instrument : GCMS6  
Sample Name: 18I1073-02  
Misc Info :  
Vial Number: 38

