

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061225\
 Data File : VU063393.D
 Acq On : 12 Jun 2025 11:43
 Operator : MD/SY
 Sample : Q2117-02
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT2-2025-04

Quant Time: Jun 16 08:40:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061125WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jun 16 08:39:07 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 06/17/2025
 Supervised By : Mahesh Dadoda 06/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	139091	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	144884	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	66183	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	48352	46.049	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	92.100%		
7) Chloroethane-d5	1.901	69	49084	48.037	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	96.080%		
11) 1,1-Dichloroethene-d2	2.554	63	69577	34.874	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	69.740%		
21) 2-Butanone-d5	4.615	46	94940	104.199	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	104.200%		
24) Chloroform-d	5.049	84	106333	47.640	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.280%		
26) 1,2-Dichloroethane-d4	5.692	65	67607	49.459	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.920%		
32) Benzene-d6	5.714	84	212862	48.576	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.160%		
36) 1,2-Dichloropropane-d6	6.679	67	73915	49.733	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	99.460%		
41) Toluene-d8	7.888	98	176435	45.887	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.780%		
43) trans-1,3-Dichloroprop...	8.174	79	28896	48.314	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	96.620%		
47) 2-Hexanone-d5	8.624	63	51454	93.247	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	93.250%		
56) 1,1,2,2-Tetrachloroeth...	10.746	84	111381	49.068	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.140%		
66) 1,2-Dichlorobenzene-d4	12.187	152	63992	52.846	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	105.700%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	3342	2.501	ug/L	100
3) Chloromethane	1.522	50	3879	2.570	ug/L	99
5) Vinyl chloride	1.596	62	4805	2.894	ug/L #	77
6) Bromomethane	1.846	94	2502	2.678	ug/L	100
8) Chloroethane	1.924	64	3017	2.904	ug/L	87
9) Trichlorofluoromethane	2.126	101	5499	2.813	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	3453	2.964	ug/L #	62
12) 1,1-Dichloroethene	2.567	96	3100	2.990	ug/L #	1
13) Acetone	2.621	43	3449	4.995	ug/L	95
14) Carbon disulfide	2.782	76	9600	2.804	ug/L	99
15) Methyl Acetate	2.952	43	3396	2.371	ug/L #	100
17) trans-1,2-Dichloroethene	3.345	96	2917	2.618	ug/L	89
18) Methyl tert-butyl Ether	3.358	73	7306	2.186	ug/L	98
19) 1,1-Dichloroethane	3.859	63	6012	2.577	ug/L	98
20) cis-1,2-Dichloroethene	4.653	96	3195m	2.522	ug/L	
22) 2-Butanone	4.721	43	5984m	5.859	ug/L	
23) Bromochloromethane	4.972	128	1543	2.279	ug/L	91
25) Chloroform	5.078	83	6021	2.588	ug/L	91
27) 1,2-Dichloroethane	5.795	62	4523	2.478	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061225\
 Data File : VU063393.D
 Acq On : 12 Jun 2025 11:43
 Operator : MD/SY
 Sample : Q2117-02
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT2-2025-04

Quant Time: Jun 16 08:40:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061125WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jun 16 08:39:07 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 06/17/2025
 Supervised By :Mahesh Dadoda 06/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.374	56	4124	2.145	ug/L	92
30) 1,1,1-Trichloroethane	5.306	97	4388	2.398	ug/L	99
31) Carbon tetrachloride	5.512	117	3972	2.582	ug/L	100
33) Benzene	5.769	78	13410	2.663	ug/L	100
34) Trichloroethene	6.538	95	3742	2.891	ug/L	90
35) Methylcyclohexane	6.753	83	4383	2.289	ug/L	99
37) 1,2-Dichloropropane	6.785	63	3758	2.516	ug/L #	89
38) Bromodichloromethane	7.097	83	4435	2.518	ug/L	86
39) cis-1,3-Dichloropropene	7.608	75	5298	2.617	ug/L	97
40) 4-Methyl-2-pentanone	7.785	43	8768	4.733	ug/L #	90
42) Toluene	7.965	91	11927	2.267	ug/L	94
44) trans-1,3-Dichloropropene	8.206	75	5911	3.120	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	3471	2.539	ug/L	93
46) Tetrachloroethene	8.550	164	2583	2.700	ug/L	86
48) 2-Hexanone	8.679	43	13616	9.424	ug/L #	94
49) Dibromochloromethane	8.801	129	3089	2.381	ug/L	93
50) 1,2-Dibromoethane	8.920	107	3771	2.700	ug/L #	92
51) Chlorobenzene	9.441	112	8503	2.493	ug/L #	86
52) Ethylbenzene	9.566	91	12395	2.250	ug/L	93
53) m,p-Xylene	9.689	106	4070	1.997	ug/L	76
54) o-Xylene	10.094	106	3672	1.890	ug/L	91
55) Styrene	10.113	104	5977	1.792	ug/L	88
57) 1,1,2,2-Tetrachloroethane	10.772	83	6479	2.652	ug/L #	98
59) Bromoform	10.283	173	2440	2.779	ug/L #	92
60) 1,2,3-Trichloropropane	10.817	75	4534	2.849	ug/L	96
61) Isopropylbenzene	10.480	105	9725	2.225	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	7072	2.094	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	6229	1.941	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	5581	2.573	ug/L	94
65) 1,4-Dichlorobenzene	11.830	146	5925	2.657	ug/L	97
67) 1,2-Dichlorobenzene	12.203	146	5977	2.729	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.991	75	1053	2.460	ug/L #	81
69) 1,3,5-Trichlorobenzene	13.219	180	3681	2.506	ug/L	93
70) 1,2,4-trichlorobenzene	13.846	180	2149	1.884	ug/L #	86
71) Naphthalene	14.100	128	5858	1.905	ug/L #	79
72) 1,2,3-Trichlorobenzene	14.331	180	2431	2.153	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061225\
 Data File : VU063393.D
 Acq On : 12 Jun 2025 11:43
 Operator : MD/SY
 Sample : Q2117-02
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT2-2025-04

Quant Time: Jun 16 08:40:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061125WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jun 16 08:39:07 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 06/17/2025
 Supervised By : Mahesh Dadoda 06/17/2025

