

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031825\
 Data File : VU063301.D
 Acq On : 18 Mar 2025 13:24
 Operator : MD/SY
 Sample : Q1546-02
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT1-2025-02

Quant Time: Mar 26 14:21:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 26 14:19:44 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/26/2025
 Supervised By :Mahesh Dadoda 03/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	266062	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	265754	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	113263	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	104508	47.03	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	94.06%		
7) Chloroethane-d5	1.891	69	88368	48.38	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	96.76%		
11) 1,1-Dichloroethene-d2	2.551	63	143470	36.85	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	73.70%		
21) 2-Butanone-d5	4.608	46	172459	107.48	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	107.48%		
24) Chloroform-d	5.049	84	198370	47.75	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.50%		
26) 1,2-Dichloroethane-d4	5.689	65	128135	49.47	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.94%		
32) Benzene-d6	5.714	84	399022	47.86	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.72%		
36) 1,2-Dichloropropane-d6	6.679	67	129854	47.87	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.74%		
41) Toluene-d8	7.888	98	344521	46.48	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.96%		
43) trans-1,3-Dichloroprop...	8.171	79	54853	45.67	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.34%		
47) 2-Hexanone-d5	8.624	63	104361	101.43	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	101.43%		
56) 1,1,2,2-Tetrachloroeth...	10.746	84	192718	47.31	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.62%		
66) 1,2-Dichlorobenzene-d4	12.184	152	117728	51.40	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.80%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	5509	2.47	ug/L	93
3) Chloromethane	1.518	50	7137	2.86	ug/L	91
5) Vinyl chloride	1.596	62	6982	2.74	ug/L #	76
6) Bromomethane	1.830	94	3582m	2.50	ug/L	
8) Chloroethane	1.917	64	4161	2.67	ug/L	93
9) Trichlorofluoromethane	2.123	101	7276	2.47	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.557	101	5897m	3.28	ug/L	
12) 1,1-Dichloroethene	2.560	96	5113	2.97	ug/L #	1
13) Acetone	2.621	43	6924	6.35	ug/L	94
14) Carbon disulfide	2.779	76	15087	2.75	ug/L	99
15) Methyl Acetate	2.946	43	6400m	2.68	ug/L	
17) trans-1,2-Dichloroethene	3.345	96	4505	2.47	ug/L	96
18) Methyl tert-butyl Ether	3.354	73	13794	2.37	ug/L	98
19) 1,1-Dichloroethane	3.856	63	8847	2.37	ug/L	98
20) cis-1,2-Dichloroethene	4.660	96	5161m	2.47	ug/L	
22) 2-Butanone	4.718	43	8203m	5.19	ug/L	
23) Bromochloromethane	4.965	128	2540m	2.37	ug/L	
25) Chloroform	5.075	83	9509	2.53	ug/L	97
27) 1,2-Dichloroethane	5.788	62	7660	2.59	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.377	56	6321	2.05	ug/L #	87
30) 1,1,1-Trichloroethane	5.306	97	7509	2.42	ug/L	100
31) Carbon tetrachloride	5.512	117	6200	2.40	ug/L	96
33) Benzene	5.763	78	20583	2.46	ug/L	100
34) Trichloroethene	6.534	95	5456	2.56	ug/L	97
35) Methylcyclohexane	6.750	83	6990	2.29	ug/L #	86
37) 1,2-Dichloropropane	6.782	63	5924	2.52	ug/L #	93
38) Bromodichloromethane	7.097	83	7176	2.48	ug/L #	95
39) cis-1,3-Dichloropropene	7.602	75	7354	2.14	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	13251	4.34	ug/L	98
42) Toluene	7.962	91	20780	2.40	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	7194m	2.26	ug/L	
45) 1,1,2-Trichloroethane	8.393	97	5148	2.31	ug/L	97
46) Tetrachloroethene	8.544	164	3296	2.19	ug/L	88
48) 2-Hexanone	8.682	43	16091	6.91	ug/L	89
49) Dibromochloromethane	8.801	129	5120	2.37	ug/L	91
50) 1,2-Dibromoethane	8.917	107	5866	2.52	ug/L	94
51) Chlorobenzene	9.441	112	13148	2.41	ug/L	95
52) Ethylbenzene	9.563	91	19612	2.16	ug/L	90
53) m,p-Xylene	9.689	106	7002	2.09	ug/L	90
54) o-Xylene	10.094	106	6412m	1.96	ug/L	
55) Styrene	10.113	104	10136m	1.88	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.769	83	9543	2.46	ug/L #	98
59) Bromoform	10.287	173	3621	2.42	ug/L #	97
60) 1,2,3-Trichloropropane	10.817	75	7114	2.71	ug/L	98
61) Isopropylbenzene	10.480	105	16379	2.20	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	11833	2.02	ug/L	95
63) 1,2,4-Trimethylbenzene	11.463	105	10786	1.92	ug/L	94
64) 1,3-Dichlorobenzene	11.740	146	8386	2.39	ug/L	95
65) 1,4-Dichlorobenzene	11.830	146	9487	2.66	ug/L	95
67) 1,2-Dichlorobenzene	12.206	146	9867	2.79	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.997	75	1799	2.62	ug/L #	76
69) 1,3,5-Trichlorobenzene	13.222	180	6559	2.78	ug/L	85
70) 1,2,4-trichlorobenzene	13.846	180	4201	2.30	ug/L	94
71) Naphthalene	14.097	128	10329	2.06	ug/L #	86
72) 1,2,3-Trichlorobenzene	14.331	180	3871	2.17	ug/L	90

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

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