

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
 Data File : VX044958.D
 Acq On : 14 Feb 2025 13:57
 Operator : JC/MD
 Sample : Q1168-09 2.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT1-2025

Quant Time: Feb 15 03:04:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 15 03:00:59 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/18/2025
 Supervised By : Mahesh Dadoda 02/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.544	168	97343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	181161	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	160376	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69963	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83007	58.254	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.500%			
35) Dibromofluoromethane	5.379	113	64950	55.143	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.280%			
50) Toluene-d8	8.647	98	237174	53.251	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.500%			
62) 4-Bromofluorobenzene	11.079	95	80639	53.705	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.420%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	3641	2.667	ug/l	98
3) Chloromethane	1.307	50	4511	2.715	ug/l	97
4) Vinyl Chloride	1.374	62	4045	2.513	ug/l	98
5) Bromomethane	1.593	94	1657	3.440	ug/l	93
6) Chloroethane	1.666	64	2398	4.018	ug/l #	80
7) Trichlorofluoromethane	1.874	101	5545	2.724	ug/l	99
8) Diethyl Ether	2.130	74	1989	2.694	ug/l	80
9) 1,1,2-Trichlorotrifluo...	2.319	101	3314	2.694	ug/l	98
10) Methyl Iodide	2.441	142	4030	2.528	ug/l	98
11) Tert butyl alcohol	2.965	59	5099	19.289	ug/l #	92
12) 1,1-Dichloroethene	2.313	96	3012	2.401	ug/l	97
13) Acrolein	2.233	56	4117	15.095	ug/l	93
14) Allyl chloride	2.654	41	5767	2.543	ug/l	95
15) Acrylonitrile	3.063	53	9576	13.568	ug/l	95
16) Acetone	2.380	43	8669	15.134	ug/l	95
17) Carbon Disulfide	2.502	76	7604	2.210	ug/l #	94
18) Methyl Acetate	2.703	43	4909	2.716	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	10025	2.511	ug/l	95
20) Methylene Chloride	2.782	84	3803	2.710	ug/l #	86
21) trans-1,2-Dichloroethene	3.087	96	3075	2.490	ug/l	95
22) Diisopropyl ether	3.758	45	10961	2.555	ug/l #	62
23) Vinyl Acetate	3.721	43	40313	11.527	ug/l	98
24) 1,1-Dichloroethane	3.605	63	6553	2.730	ug/l	97
25) 2-Butanone	4.568	43	12685	13.637	ug/l #	87
26) 2,2-Dichloropropane	4.465	77	4410	2.317	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	3720	2.508	ug/l	87
28) Bromochloromethane	4.898	49	3313	2.872	ug/l #	94
29) Tetrahydrofuran	5.013	42	8855	14.336	ug/l	95
30) Chloroform	5.093	83	6315	2.713	ug/l	87
31) Cyclohexane	5.465	56	5510	2.490	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	5080	2.573	ug/l	97
36) 1,1-Dichloropropene	5.684	75	4327	2.546	ug/l	98
37) Ethyl Acetate	4.727	43	5249m	2.777	ug/l	
38) Carbon Tetrachloride	5.672	117	4507	2.707	ug/l	99
39) Methylcyclohexane	7.373	83	5236	2.383	ug/l	97
40) Benzene	6.038	78	13811	2.603	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.946	41	2284	2.258	ug/l #	78
42) 1,2-Dichloroethane	6.093	62	4879	2.885	ug/l	84
43) Isopropyl Acetate	6.349	43	6808	2.230	ug/l #	94
44) Trichloroethene	7.129	130	2894	2.386	ug/l	85
45) 1,2-Dichloropropane	7.428	63	3512	2.660	ug/l #	87
46) Dibromomethane	7.586	93	2611	2.852	ug/l	91
47) Bromodichloromethane	7.818	83	4342	2.449	ug/l #	96
48) Methyl methacrylate	7.708	41	3631	2.523	ug/l	94
49) 1,4-Dioxane	7.671	88	1796	58.165	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	23652	12.746	ug/l	99
52) Toluene	8.714	92	7534	2.384	ug/l	91
53) t-1,3-Dichloropropene	8.982	75	3496	1.949	ug/l	93
54) cis-1,3-Dichloropropene	8.373	75	4458	2.229	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	3030	2.494	ug/l	98
56) Ethyl methacrylate	9.122	69	4509	2.298	ug/l	96
57) 1,3-Dichloropropane	9.305	76	5330	2.508	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	11355	11.787	ug/l	98
59) 2-Hexanone	9.433	43	17096	12.787	ug/l	98
60) Dibromochloromethane	9.519	129	3282	2.526	ug/l	93
61) 1,2-Dibromoethane	9.616	107	3097	2.515	ug/l	100
64) Tetrachloroethene	9.275	164	2602	2.573	ug/l	84
65) Chlorobenzene	10.080	112	8435	2.449	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.159	131	2659	2.398	ug/l	94
67) Ethyl Benzene	10.195	91	14346	2.360	ug/l	99
68) m/p-Xylenes	10.299	106	10557	4.708	ug/l	95
69) o-Xylene	10.640	106	5165	2.296	ug/l	89
70) Styrene	10.659	104	8832	2.436	ug/l	97
71) Bromoform	10.799	173	1876	2.267	ug/l #	96
73) Isopropylbenzene	10.957	105	13472	2.391	ug/l	99
74) N-amyl acetate	10.848	43	5296	2.078	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.214	83	5127	2.649	ug/l	95
76) 1,2,3-Trichloropropane	11.238	75	4519m	2.913	ug/l	
77) Bromobenzene	11.195	156	3169	2.481	ug/l	98
78) n-propylbenzene	11.305	91	15293	2.352	ug/l	97
79) 2-Chlorotoluene	11.366	91	10313	2.581	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	10844	2.372	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	1030m	1.708	ug/l	
82) 4-Chlorotoluene	11.457	91	10936	2.474	ug/l	97
83) tert-Butylbenzene	11.713	119	11022	2.383	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	11116	2.464	ug/l	100
85) sec-Butylbenzene	11.890	105	13395	2.339	ug/l	99
86) p-Isopropyltoluene	12.006	119	10646	2.312	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	5778	2.460	ug/l	97
88) 1,4-Dichlorobenzene	12.037	146	6081	2.561	ug/l	87
89) n-Butylbenzene	12.335	91	8497	2.086	ug/l	99
90) Hexachloroethane	12.536	117	1848	2.143	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	6338	2.746	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	12.945	75	863	2.443	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	2916	2.088	ug/l	96
94) Hexachlorobutadiene	13.725	225	1278	2.305	ug/l	92
95) Naphthalene	13.774	128	11040	2.187	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	3217	2.286	ug/l	95

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

