

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
 Data File : VX044934.D
 Acq On : 12 Feb 2025 15:35
 Operator : JC/MD
 Sample : Q1168-07 2.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2025

Quant Time: Feb 13 03:45:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 13 03:28:47 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/14/2025
 Supervised By : Mahesh Dadoda 02/14/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	103920	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	192847	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	170093	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	72442	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83318	54.771	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.540%			
35) Dibromofluoromethane	5.379	113	65176	51.982	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.960%			
50) Toluene-d8	8.647	98	243485	51.355	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.700%			
62) 4-Bromofluorobenzene	11.079	95	81400	50.927	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.860%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	3568	2.448	ug/l	79
3) Chloromethane	1.301	50	4809	2.711	ug/l	91
4) Vinyl Chloride	1.374	62	4284	2.493	ug/l	98
5) Bromomethane	1.593	94	1630	3.170	ug/l	100
6) Chloroethane	1.666	64	2381	3.737	ug/l	98
7) Trichlorofluoromethane	1.874	101	5864	2.698	ug/l	98
8) Diethyl Ether	2.130	74	1973	2.503	ug/l	85
9) 1,1,2-Trichlorotrifluo...	2.319	101	3460	2.635	ug/l	98
10) Methyl Iodide	2.447	142	4401	2.586	ug/l	99
11) Tert butyl alcohol	2.983	59	4908	17.391	ug/l #	92
12) 1,1-Dichloroethene	2.313	96	3327	2.484	ug/l	95
13) Acrolein	2.233	56	4174	14.335	ug/l	95
14) Allyl chloride	2.654	41	6177	2.552	ug/l	90
15) Acrylonitrile	3.062	53	9887	13.122	ug/l	98
16) Acetone	2.380	43	8886	14.531	ug/l	96
17) Carbon Disulfide	2.502	76	8598	2.341	ug/l	96
18) Methyl Acetate	2.703	43	5239	2.715	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	11126	2.611	ug/l	99
20) Methylene Chloride	2.782	84	4041	2.698	ug/l	95
21) trans-1,2-Dichloroethene	3.081	96	3481	2.641	ug/l	98
22) Diisopropyl ether	3.757	45	11712	2.557	ug/l #	69
23) Vinyl Acetate	3.721	43	42965	11.508	ug/l	100
24) 1,1-Dichloroethane	3.611	63	6620	2.583	ug/l	98
25) 2-Butanone	4.574	43	13073	13.165	ug/l	93
26) 2,2-Dichloropropane	4.471	77	4453	2.191	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	4308	2.721	ug/l	96
28) Bromochloromethane	4.891	49	3111	2.526	ug/l #	92
29) Tetrahydrofuran	5.019	42	9402	14.259	ug/l	94
30) Chloroform	5.086	83	6715	2.702	ug/l	85
31) Cyclohexane	5.458	56	6107	2.585	ug/l	88
32) 1,1,1-Trichloroethane	5.367	97	5511	2.614	ug/l	98
36) 1,1-Dichloropropene	5.678	75	4646m	2.568	ug/l	
37) Ethyl Acetate	4.733	43	5154m	2.562	ug/l	
38) Carbon Tetrachloride	5.672	117	4702	2.653	ug/l #	95
39) Methylcyclohexane	7.379	83	5643	2.413	ug/l	91
40) Benzene	6.037	78	14711	2.604	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	2517	2.337	ug/l #	66
42) 1,2-Dichloroethane	6.086	62	5134	2.852	ug/l	85
43) Isopropyl Acetate	6.342	43	7919m	2.437	ug/l	
44) Trichloroethene	7.129	130	3209	2.485	ug/l	97
45) 1,2-Dichloropropane	7.434	63	3664	2.607	ug/l	93
46) Dibromomethane	7.586	93	2626	2.695	ug/l	98
47) Bromodichloromethane	7.824	83	4865	2.578	ug/l #	87
48) Methyl methacrylate	7.702	41	3767	2.459	ug/l #	89
49) 1,4-Dioxane	7.671	88	1756	53.424	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	25086	12.700	ug/l	97
52) Toluene	8.720	92	8834	2.626	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	3898	2.041	ug/l	98
54) cis-1,3-Dichloropropene	8.372	75	4714	2.214	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	3428	2.651	ug/l	96
56) Ethyl methacrylate	9.122	69	4700	2.250	ug/l	94
57) 1,3-Dichloropropane	9.311	76	5701	2.520	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	11701	11.410	ug/l	97
59) 2-Hexanone	9.433	43	17688	12.428	ug/l	93
60) Dibromochloromethane	9.519	129	3369	2.436	ug/l	95
61) 1,2-Dibromoethane	9.610	107	3116	2.377	ug/l	98
64) Tetrachloroethene	9.275	164	2807	2.617	ug/l	90
65) Chlorobenzene	10.079	112	9462	2.590	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	2898	2.465	ug/l	97
67) Ethyl Benzene	10.195	91	15692	2.434	ug/l	96
68) m/p-Xylenes	10.299	106	11322	4.761	ug/l	98
69) o-Xylene	10.640	106	5899	2.472	ug/l	98
70) Styrene	10.659	104	9310	2.422	ug/l	97
71) Bromoform	10.805	173	1861	2.121	ug/l #	95
73) Isopropylbenzene	10.963	105	14378	2.465	ug/l	100
74) N-amyl acetate	10.848	43	5435	2.059	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	5129	2.559	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	4269m	2.658	ug/l	
77) Bromobenzene	11.195	156	3381	2.557	ug/l	98
78) n-propylbenzene	11.305	91	16428	2.440	ug/l	96
79) 2-Chlorotoluene	11.366	91	10931	2.642	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	11609	2.453	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	908m	1.454	ug/l	
82) 4-Chlorotoluene	11.457	91	11008	2.405	ug/l	96
83) tert-Butylbenzene	11.713	119	11695	2.442	ug/l	92
84) 1,2,4-Trimethylbenzene	11.750	105	11924	2.552	ug/l	95
85) sec-Butylbenzene	11.890	105	14125	2.382	ug/l	98
86) p-Isopropyltoluene	12.006	119	11239	2.357	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	6062	2.493	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	6467	2.630	ug/l	86
89) n-Butylbenzene	12.335	91	8988	2.131	ug/l	98
90) Hexachloroethane	12.536	117	1899	2.127	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	6424	2.688	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	816	2.231	ug/l	90
93) 1,2,4-Trichlorobenzene	13.591	180	2957	2.045	ug/l	97
94) Hexachlorobutadiene	13.725	225	1365	2.378	ug/l	97
95) Naphthalene	13.780	128	11097	2.123	ug/l	96
96) 1,2,3-Trichlorobenzene	13.963	180	3268	2.243	ug/l	96

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

