

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
 Data File : VX044956.D
 Acq On : 14 Feb 2025 13:11
 Operator : JC/MD
 Sample : Q1168-09 0.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Feb 15 03:02:37 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	107629	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	199073	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	174035	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	72804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	82734	52.513	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.020%			
35) Dibromofluoromethane	5.379	113	62740	48.474	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.940%			
50) Toluene-d8	8.647	98	227147	46.411	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.820%			
62) 4-Bromofluorobenzene	11.079	95	77046	46.695	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	646	0.428	ug/l	95
3) Chloromethane	1.307	50	886	0.482	ug/l	96
4) Vinyl Chloride	1.374	62	865	0.486	ug/l	98
5) Bromomethane	1.593	94	426	0.800	ug/l	90
6) Chloroethane	1.672	64	561	0.850	ug/l #	59
7) Trichlorofluoromethane	1.880	101	1119	0.497	ug/l #	75
8) Diethyl Ether	2.136	74	327	0.401	ug/l #	20
9) 1,1,2-Trichlorotrifluo...	2.319	101	646	0.475	ug/l	95
10) Methyl Iodide	2.447	142	712	0.404	ug/l #	83
11) Tert butyl alcohol	2.946	59	1758	6.015	ug/l #	77
12) 1,1-Dichloroethene	2.312	96	584	0.421	ug/l	92
13) Acrolein	2.233	56	693	2.298	ug/l #	77
14) Allyl chloride	2.660	41	1172	0.467	ug/l #	68
15) Acrylonitrile	3.075	53	1813	2.323	ug/l	96
16) Acetone	2.380	43	1769	2.793	ug/l	97
17) Carbon Disulfide	2.508	76	1583	0.416	ug/l	99
18) Methyl Acetate	2.703	43	1028	0.514	ug/l #	84
19) Methyl tert-butyl Ether	3.105	73	1795	0.407	ug/l	98
20) Methylene Chloride	2.788	84	711	0.458	ug/l #	90
21) trans-1,2-Dichloroethene	3.081	96	611	0.448	ug/l #	77
22) Diisopropyl ether	3.757	45	1944	0.410	ug/l #	1
23) Vinyl Acetate	3.733	43	7119	1.841	ug/l	100
24) 1,1-Dichloroethane	3.611	63	1229	0.463	ug/l #	83
25) 2-Butanone	4.593	43	2231	2.169	ug/l #	85
26) 2,2-Dichloropropane	4.471	77	786	0.373	ug/l #	76
27) cis-1,2-Dichloroethene	4.501	96	660	0.402	ug/l	57
28) Bromochloromethane	4.891	49	475	0.372	ug/l #	77
29) Tetrahydrofuran	5.038	42	1747m	2.558	ug/l	
30) Chloroform	5.092	83	1239	0.481	ug/l	84
31) Cyclohexane	5.458	56	999	0.408	ug/l #	92
32) 1,1,1-Trichloroethane	5.373	97	973	0.446	ug/l #	51
36) 1,1-Dichloropropene	5.690	75	1008	0.540	ug/l #	63
37) Ethyl Acetate	4.763	43	907m	0.437	ug/l	
38) Carbon Tetrachloride	5.659	117	1169	0.639	ug/l #	53
39) Methylcyclohexane	7.379	83	928	0.384	ug/l #	85
40) Benzene	6.037	78	2508	0.430	ug/l #	84

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41) Methacrylonitrile	4.952	41	467	0.420	ug/l #	58
42) 1,2-Dichloroethane	6.092	62	911	0.490	ug/l #	74
43) Isopropyl Acetate	6.354	43	1236	0.369	ug/l #	66
44) Trichloroethene	7.129	130	517	0.388	ug/l	97
45) 1,2-Dichloropropane	7.433	63	577	0.398	ug/l	94
46) Dibromomethane	7.586	93	435	0.432	ug/l #	64
47) Bromodichloromethane	7.824	83	809	0.415	ug/l #	90
49) 1,4-Dioxane	7.683	88	244	7.191	ug/l #	72
51) 4-Methyl-2-Pentanone	8.580	43	4226	2.073	ug/l	99
52) Toluene	8.720	92	1467	0.422	ug/l	91
53) t-1,3-Dichloropropene	9.000	75	637	0.323	ug/l	94
54) cis-1,3-Dichloropropene	8.378	75	682	0.310	ug/l #	50
55) 1,1,2-Trichloroethane	9.159	97	703	0.527	ug/l #	69
56) Ethyl methacrylate	9.128	69	470	0.218	ug/l #	12
57) 1,3-Dichloropropane	9.311	76	1033	0.442	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.263	63	1642	1.551	ug/l	90
59) 2-Hexanone	9.439	43	2452	1.669	ug/l	96
60) Dibromochloromethane	9.518	129	552	0.387	ug/l	93
61) 1,2-Dibromoethane	9.616	107	497	0.367	ug/l	94
64) Tetrachloroethene	9.275	164	491	0.447	ug/l #	80
65) Chlorobenzene	10.079	112	1642	0.439	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	449	0.373	ug/l #	60
67) Ethyl Benzene	10.195	91	2699	0.409	ug/l #	83
68) m/p-Xylenes	10.305	106	1919	0.789	ug/l	98
69) o-Xylene	10.646	106	1093	0.448	ug/l	88
70) Styrene	10.659	104	1479	0.376	ug/l	93
71) Bromoform	10.811	173	365	0.407	ug/l #	76
73) Isopropylbenzene	10.963	105	2246	0.383	ug/l	90
74) N-amyl acetate	10.854	43	938	0.354	ug/l #	73
75) 1,1,2,2-Tetrachloroethane	11.213	83	924	0.459	ug/l #	86
76) 1,2,3-Trichloropropane	11.244	75	837m	0.519	ug/l	
77) Bromobenzene	11.201	156	587	0.442	ug/l	96
78) n-propylbenzene	11.305	91	2651	0.392	ug/l	100
79) 2-Chlorotoluene	11.366	91	2132	0.513	ug/l	82
80) 1,3,5-Trimethylbenzene	11.451	105	1576	0.331	ug/l	89
81) trans-1,4-Dichloro-2-b...	11.079	75	40699	64.859	ug/l #	11
82) 4-Chlorotoluene	11.457	91	2051	0.446	ug/l	91
83) tert-Butylbenzene	11.713	119	1932	0.401	ug/l	96
84) 1,2,4-Trimethylbenzene	11.756	105	2036	0.434	ug/l	97
85) sec-Butylbenzene	11.890	105	2101	0.353	ug/l	98
86) p-Isopropyltoluene	12.012	119	1811	0.378	ug/l	88
87) 1,3-Dichlorobenzene	11.975	146	1068	0.437	ug/l	92
88) 1,4-Dichlorobenzene	12.042	146	1216m	0.492	ug/l	
89) n-Butylbenzene	12.335	91	1485	0.350	ug/l	89
90) Hexachloroethane	12.536	117	358	0.399	ug/l	80
91) 1,2-Dichlorobenzene	12.341	146	1118	0.465	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	128	0.348	ug/l #	57
93) 1,2,4-Trichlorobenzene	13.591	180	466	0.321	ug/l	97
94) Hexachlorobutadiene	13.725	225	209	0.362	ug/l #	75
95) Naphthalene	13.780	128	1810	0.344	ug/l #	91
96) 1,2,3-Trichlorobenzene	13.963	180	579	0.395	ug/l	84

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

