

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
 Data File : VX044957.D
 Acq On : 14 Feb 2025 13:34
 Operator : JC/MD
 Sample : Q1168-09 0.75PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Feb 15 03:03:27 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	5.550	168	111064	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	202126	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	174217	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	75328	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	73478	45.196	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.400%		
35) Dibromofluoromethane	5.379	113	57518	43.768	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	87.540%		
50) Toluene-d8	8.647	98	207896	41.836	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	83.680%#		
62) 4-Bromofluorobenzene	11.079	95	69405	41.429	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	82.860%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	1040	0.668	ug/l	94
3) Chloromethane	1.306	50	1412	0.745	ug/l	99
4) Vinyl Chloride	1.374	62	1162	0.633	ug/l	92
5) Bromomethane	1.599	94	649	1.181	ug/l	87
6) Chloroethane	1.678	64	934	1.372	ug/l #	70
7) Trichlorofluoromethane	1.880	101	1829	0.787	ug/l	98
8) Diethyl Ether	2.130	74	718	0.852	ug/l	83
9) 1,1,2-Trichlorotrifluo...	2.325	101	929	0.662	ug/l	98
10) Methyl Iodide	2.440	142	1307	0.719	ug/l #	94
11) Tert butyl alcohol	2.953	59	2533	8.398	ug/l #	73
12) 1,1-Dichloroethene	2.312	96	1068	0.746	ug/l	98
13) Acrolein	2.227	56	1180	3.792	ug/l	92
14) Allyl chloride	2.654	41	2083	0.805	ug/l #	72
15) Acrylonitrile	3.062	53	3103	3.853	ug/l	99
16) Acetone	2.379	43	2940	4.498	ug/l	98
17) Carbon Disulfide	2.501	76	2644	0.674	ug/l #	95
18) Methyl Acetate	2.703	43	1701	0.825	ug/l #	87
19) Methyl tert-butyl Ether	3.111	73	3208	0.704	ug/l #	89
20) Methylene Chloride	2.788	84	1301	0.813	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	1087	0.772	ug/l #	80
22) Diisopropyl ether	3.757	45	3390	0.693	ug/l #	38
23) Vinyl Acetate	3.733	43	12664	3.174	ug/l	99
24) 1,1-Dichloroethane	3.611	63	2014	0.735	ug/l #	83
25) 2-Butanone	4.580	43	3612	3.403	ug/l #	85
26) 2,2-Dichloropropane	4.458	77	1446	0.666	ug/l #	58
27) cis-1,2-Dichloroethene	4.483	96	1149m	0.679	ug/l	
28) Bromochloromethane	4.897	49	821	0.624	ug/l #	62
29) Tetrahydrofuran	5.007	42	2808	3.985	ug/l	99
30) Chloroform	5.092	83	1906	0.718	ug/l	100
31) Cyclohexane	5.464	56	1796	0.711	ug/l #	77
32) 1,1,1-Trichloroethane	5.373	97	1648	0.732	ug/l #	52
36) 1,1-Dichloropropene	5.690	75	1590	0.839	ug/l #	82
37) Ethyl Acetate	4.739	43	1577m	0.748	ug/l	
38) Carbon Tetrachloride	5.672	117	1473	0.793	ug/l #	84
39) Methylcyclohexane	7.372	83	1649	0.673	ug/l	92
40) Benzene	6.043	78	4256	0.719	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	846m	0.749	ug/l	
42) 1,2-Dichloroethane	6.098	62	1531	0.811	ug/l #	74
43) Isopropyl Acetate	6.354	43	2064	0.606	ug/l #	82
44) Trichloroethene	7.129	130	951	0.703	ug/l	94
45) 1,2-Dichloropropane	7.440	63	994	0.675	ug/l	90
46) Dibromomethane	7.592	93	738	0.723	ug/l	97
47) Bromodichloromethane	7.824	83	1460	0.738	ug/l #	89
48) Methyl methacrylate	7.708	41	1139m	0.709	ug/l	
49) 1,4-Dioxane	7.677	88	447	12.975	ug/l #	77
51) 4-Methyl-2-Pentanone	8.573	43	7255	3.504	ug/l	95
52) Toluene	8.720	92	2587	0.734	ug/l	98
53) t-1,3-Dichloropropene	8.988	75	1091	0.545	ug/l	98
54) cis-1,3-Dichloropropene	8.378	75	1179	0.528	ug/l #	91
55) 1,1,2-Trichloroethane	9.159	97	979	0.722	ug/l #	72
56) Ethyl methacrylate	9.128	69	1219	0.557	ug/l #	81
57) 1,3-Dichloropropane	9.311	76	1856	0.783	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.250	63	2468	2.296	ug/l	97
59) 2-Hexanone	9.439	43	5119	3.432	ug/l	94
60) Dibromochloromethane	9.518	129	954	0.658	ug/l	93
61) 1,2-Dibromoethane	9.610	107	873	0.635	ug/l	88
64) Tetrachloroethene	9.268	164	844	0.768	ug/l	86
65) Chlorobenzene	10.073	112	2858	0.764	ug/l #	86
66) 1,1,1,2-Tetrachloroethane	10.165	131	826	0.686	ug/l #	64
67) Ethyl Benzene	10.195	91	4422	0.670	ug/l	92
68) m/p-Xylenes	10.305	106	3216	1.320	ug/l	92
69) o-Xylene	10.640	106	1711	0.700	ug/l	99
70) Styrene	10.665	104	2649m	0.673	ug/l	
71) Bromoform	10.805	173	626	0.696	ug/l #	98
73) Isopropylbenzene	10.963	105	4048	0.667	ug/l	93
74) N-amyl acetate	10.854	43	1476	0.538	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.213	83	1491	0.715	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	1327m	0.795	ug/l	
77) Bromobenzene	11.201	156	1083	0.788	ug/l	85
78) n-propylbenzene	11.305	91	4500	0.643	ug/l	99
79) 2-Chlorotoluene	11.366	91	3335	0.775	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	3260	0.662	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.024	75	265m	0.408	ug/l	
82) 4-Chlorotoluene	11.457	91	3355	0.705	ug/l	96
83) tert-Butylbenzene	11.713	119	3496	0.702	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	3307	0.681	ug/l	98
85) sec-Butylbenzene	11.890	105	4160	0.675	ug/l	99
86) p-Isopropyltoluene	12.006	119	3134	0.632	ug/l	86
87) 1,3-Dichlorobenzene	11.975	146	1759	0.696	ug/l	91
88) 1,4-Dichlorobenzene	12.042	146	1835m	0.718	ug/l	
89) n-Butylbenzene	12.335	91	2352	0.536	ug/l	96
90) Hexachloroethane	12.536	117	515	0.555	ug/l	97
91) 1,2-Dichlorobenzene	12.341	146	1873	0.754	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.939	75	219	0.576	ug/l	65
93) 1,2,4-Trichlorobenzene	13.591	180	931	0.619	ug/l	95
94) Hexachlorobutadiene	13.725	225	416	0.697	ug/l	93
95) Naphthalene	13.780	128	3094	0.569	ug/l #	94
96) 1,2,3-Trichlorobenzene	13.963	180	929	0.613	ug/l	94

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

