

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
 Data File : VX044936.D
 Acq On : 12 Feb 2025 16:21
 Operator : JC/MD
 Sample : Q1168-08 5.0PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2025

Quant Time: Feb 13 03:47:05 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	5.550	168	112554	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	206723	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	180451	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	79930	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	86572	52.545	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.080%			
35) Dibromofluoromethane	5.379	113	68223	50.760	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.520%			
50) Toluene-d8	8.647	98	256390	50.447	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.900%			
62) 4-Bromofluorobenzene	11.079	95	86515	50.494	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.980%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	7672	4.860	ug/l	94
3) Chloromethane	1.300	50	9905	5.155	ug/l	99
4) Vinyl Chloride	1.374	62	9320	5.007	ug/l	96
5) Bromomethane	1.593	94	2948	5.293	ug/l	96
6) Chloroethane	1.666	64	5215	7.558	ug/l	89
7) Trichlorofluoromethane	1.873	101	11995	5.096	ug/l	98
8) Diethyl Ether	2.130	74	4491	5.261	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.319	101	7147	5.025	ug/l	98
10) Methyl Iodide	2.447	142	9442	5.123	ug/l	98
11) Tert butyl alcohol	2.977	59	9136	29.890	ug/l #	93
12) 1,1-Dichloroethene	2.312	96	7100	4.894	ug/l	97
13) Acrolein	2.233	56	9261	29.367	ug/l	99
14) Allyl chloride	2.660	41	12977	4.950	ug/l	94
15) Acrylonitrile	3.062	53	21266	26.058	ug/l	97
16) Acetone	2.379	43	18677	28.198	ug/l	97
17) Carbon Disulfide	2.501	76	17863	4.490	ug/l	99
18) Methyl Acetate	2.703	43	10531	5.038	ug/l	94
19) Methyl tert-butyl Ether	3.117	73	23715	5.138	ug/l	96
20) Methylene Chloride	2.782	84	8617	5.311	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	7166	5.019	ug/l	99
22) Diisopropyl ether	3.763	45	25448	5.130	ug/l	91
23) Vinyl Acetate	3.721	43	95200	23.542	ug/l	98
24) 1,1-Dichloroethane	3.605	63	14323	5.161	ug/l	99
25) 2-Butanone	4.562	43	28956	26.923	ug/l	94
26) 2,2-Dichloropropane	4.464	77	9681	4.398	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	8886	5.181	ug/l	96
28) Bromochloromethane	4.897	49	6690	5.016	ug/l #	99
29) Tetrahydrofuran	5.013	42	19188	26.867	ug/l	99
30) Chloroform	5.086	83	13608	5.056	ug/l	99
31) Cyclohexane	5.452	56	12871	5.030	ug/l	94
32) 1,1,1-Trichloroethane	5.373	97	11544	5.056	ug/l	98
36) 1,1-Dichloropropene	5.690	75	9968	5.141	ug/l	97
37) Ethyl Acetate	4.727	43	11028	5.113	ug/l	98
38) Carbon Tetrachloride	5.665	117	9254	4.870	ug/l	96
39) Methylcyclohexane	7.372	83	11998	4.786	ug/l	97
40) Benzene	6.031	78	31262	5.163	ug/l	98

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41) Methacrylonitrile	4.922	41	6145m	5.323	ug/l	
42) 1,2-Dichloroethane	6.092	62	10553	5.468	ug/l	99
43) Isopropyl Acetate	6.336	43	16810	4.826	ug/l	97
44) Trichloroethene	7.123	130	6894	4.981	ug/l	96
45) 1,2-Dichloropropane	7.433	63	7482	4.967	ug/l	91
46) Dibromomethane	7.586	93	5299	5.072	ug/l	99
47) Bromodichloromethane	7.818	83	9818	4.854	ug/l	100
48) Methyl methacrylate	7.696	41	8127	4.949	ug/l	98
49) 1,4-Dioxane	7.671	88	3664	103.990	ug/l	93
51) 4-Methyl-2-Pentanone	8.573	43	54337	25.662	ug/l	100
52) Toluene	8.720	92	18754	5.201	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	8337	4.073	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	10392	4.553	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	6909	4.984	ug/l	93
56) Ethyl methacrylate	9.116	69	9976	4.456	ug/l	94
57) 1,3-Dichloropropane	9.305	76	12840	5.294	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	24054	21.881	ug/l	100
59) 2-Hexanone	9.433	43	40431	26.501	ug/l	97
60) Dibromochloromethane	9.518	129	7216	4.867	ug/l	97
61) 1,2-Dibromoethane	9.610	107	7018	4.995	ug/l	99
64) Tetrachloroethene	9.275	164	5714	5.021	ug/l	95
65) Chlorobenzene	10.079	112	19379	5.000	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	5825	4.669	ug/l	96
67) Ethyl Benzene	10.195	91	32944	4.817	ug/l	100
68) m/p-Xylenes	10.299	106	25257	10.011	ug/l	99
69) o-Xylene	10.640	106	12649	4.996	ug/l	100
70) Styrene	10.658	104	20284	4.973	ug/l	99
71) Bromoform	10.799	173	4257	4.572	ug/l #	100
73) Isopropylbenzene	10.957	105	31728	4.930	ug/l	99
74) N-amyl acetate	10.841	43	13608	4.673	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	11445	5.175	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	8857m	4.998	ug/l	
77) Bromobenzene	11.195	156	7813	5.355	ug/l	97
78) n-propylbenzene	11.305	91	36467	4.909	ug/l	98
79) 2-Chlorotoluene	11.360	91	23237	5.090	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	25621	4.906	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	2419	3.511	ug/l #	83
82) 4-Chlorotoluene	11.451	91	25192	4.988	ug/l	100
83) tert-Butylbenzene	11.713	119	26426	5.002	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	25639	4.974	ug/l	98
85) sec-Butylbenzene	11.890	105	31782	4.858	ug/l	100
86) p-Isopropyltoluene	12.006	119	25014	4.754	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	13371	4.983	ug/l	97
88) 1,4-Dichlorobenzene	12.036	146	13485	4.971	ug/l	93
89) n-Butylbenzene	12.329	91	20540	4.413	ug/l	99
90) Hexachloroethane	12.536	117	4028	4.089	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	13652	5.177	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1717	4.254	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	6996	4.384	ug/l	96
94) Hexachlorobutadiene	13.725	225	2930	4.625	ug/l	97
95) Naphthalene	13.774	128	26357	4.569	ug/l	98
96) 1,2,3-Trichlorobenzene	13.957	180	7586	4.718	ug/l	98

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

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