

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070725\
 Data File : VX046899.D
 Acq On : 07 Jul 2025 12:04
 Operator : JC/MD
 Sample : Q2126-07 0.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2025

Quant Time: Jul 08 04:49:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 08 04:37:37 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/08/2025
 Supervised By : Mahesh Dadoda 07/08/2025

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	363987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	608846	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	554494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	286241	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	244530	50.852	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.700%			
35) Dibromofluoromethane	5.391	113	205705	49.773	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.540%			
50) Toluene-d8	8.647	98	727253	49.875	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.740%			
62) 4-Bromofluorobenzene	11.079	95	285204	51.464	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.920%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.179	85	1231	0.354	ug/l	82
3) Chloromethane	1.307	50	2044	0.537	ug/l #	87
4) Vinyl Chloride	1.386	62	1753	0.423	ug/l #	83
5) Bromomethane	1.630	94	2196	0.825	ug/l	90
6) Chloroethane	1.703	64	1474	0.539	ug/l #	73
7) Trichlorofluoromethane	1.904	101	2931	0.458	ug/l	96
8) Diethyl Ether	2.142	74	941	0.413	ug/l	52
9) 1,1,2-Trichlorotrifluo...	2.337	101	1715	0.420	ug/l	86
10) Methyl Iodide	2.471	142	2038	0.458	ug/l #	86
11) Tert butyl alcohol	2.953	59	573	1.817	ug/l #	72
12) 1,1-Dichloroethene	2.337	96	1938	0.491	ug/l #	82
13) Acrolein	2.246	56	1022	2.714	ug/l	88
14) Allyl chloride	2.678	41	3291	0.468	ug/l	96
15) Acrylonitrile	3.087	53	2768	1.518	ug/l #	70
16) Acetone	2.386	43	4145	2.775	ug/l	95
17) Carbon Disulfide	2.532	76	5283	0.510	ug/l	100
18) Methyl Acetate	2.703	43	1752	0.445	ug/l #	80
19) Methyl tert-butyl Ether	3.123	73	4896	0.439	ug/l #	90
20) Methylene Chloride	2.806	84	4166	0.943	ug/l	89
21) trans-1,2-Dichloroethene	3.111	96	1872	0.464	ug/l #	77
22) Diisopropyl ether	3.770	45	5979	0.440	ug/l #	1
23) Vinyl Acetate	3.751	43	18755	1.844	ug/l #	91
24) 1,1-Dichloroethane	3.623	63	3423	0.442	ug/l #	88
25) 2-Butanone	4.623	43	3775m	1.894	ug/l	
26) 2,2-Dichloropropane	4.489	77	2571	0.446	ug/l	81
27) cis-1,2-Dichloroethene	4.513	96	2370m	0.481	ug/l	
28) Bromochloromethane	4.916	49	1565	0.410	ug/l	94
29) Tetrahydrofuran	5.062	42	3246m	2.555	ug/l	
30) Chloroform	5.105	83	3665	0.463	ug/l #	67
31) Cyclohexane	5.477	56	2920	0.425	ug/l	88
32) 1,1,1-Trichloroethane	5.391	97	3115	0.471	ug/l #	38
36) 1,1-Dichloropropene	5.696	75	2616m	0.469	ug/l	
37) Ethyl Acetate	4.733	43	2801m	0.590	ug/l	
38) Carbon Tetrachloride	5.690	117	2932	0.497	ug/l #	93
39) Methylcyclohexane	7.391	83	3485	0.500	ug/l	92
40) Benzene	6.044	78	8129	0.482	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	5.013	41	1351m	0.533	ug/l	
42) 1,2-Dichloroethane	6.092	62	3113	0.544	ug/l	95
43) Isopropyl Acetate	6.367	43	2976	0.409	ug/l #	76
44) Trichloroethene	7.141	130	2133	0.486	ug/l	85
45) 1,2-Dichloropropane	7.440	63	1666	0.391	ug/l #	86
46) Dibromomethane	7.604	93	1206	0.408	ug/l	91
47) Bromodichloromethane	7.836	83	2820	0.447	ug/l #	89
48) Methyl methacrylate	7.732	41	1389m	0.370	ug/l	
49) 1,4-Dioxane	7.720	88	383m	8.800	ug/l	
51) 4-Methyl-2-Pentanone	8.574	43	7895	1.839	ug/l	96
52) Toluene	8.726	92	5143	0.492	ug/l	100
53) t-1,3-Dichloropropene	9.007	75	2006	0.357	ug/l #	63
54) cis-1,3-Dichloropropene	8.372	75	2591	0.403	ug/l #	83
55) 1,1,2-Trichloroethane	9.159	97	1807	0.464	ug/l #	86
56) Ethyl methacrylate	9.128	69	1685	0.313	ug/l #	83
57) 1,3-Dichloropropane	9.311	76	2772	0.414	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.257	63	6424	2.116	ug/l	96
59) 2-Hexanone	9.452	43	4148	1.457	ug/l	97
60) Dibromochloromethane	9.519	129	1912	0.410	ug/l	100
61) 1,2-Dibromoethane	9.610	107	1729	0.442	ug/l	99
64) Tetrachloroethene	9.275	164	1773	0.480	ug/l #	81
65) Chlorobenzene	10.079	112	5944	0.496	ug/l	92
66) 1,1,1,2-Tetrachloroethane	10.159	131	1804	0.448	ug/l #	66
67) Ethyl Benzene	10.195	91	9514	0.463	ug/l #	88
68) m/p-Xylenes	10.305	106	6896	0.891	ug/l	98
69) o-Xylene	10.646	106	3402	0.455	ug/l	87
70) Styrene	10.659	104	4984	0.390	ug/l	89
71) Bromoform	10.805	173	1350	0.451	ug/l #	94
73) Isopropylbenzene	10.963	105	8912	0.443	ug/l	98
74) N-amyl acetate	10.854	43	2408	0.352	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	11.213	83	2492	0.450	ug/l	94
76) 1,2,3-Trichloropropane	11.238	75	2024m	0.458	ug/l	
77) Bromobenzene	11.195	156	2356	0.470	ug/l	88
78) n-propylbenzene	11.305	91	10394	0.428	ug/l	91
79) 2-Chlorotoluene	11.366	91	6344	0.443	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	7082	0.433	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.031	75	498m	0.302	ug/l	
82) 4-Chlorotoluene	11.457	91	7019	0.425	ug/l	97
83) tert-Butylbenzene	11.713	119	7436	0.440	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	6525	0.395	ug/l	91
85) sec-Butylbenzene	11.890	105	8916	0.419	ug/l	100
86) p-Isopropyltoluene	12.006	119	7378	0.414	ug/l #	80
87) 1,3-Dichlorobenzene	11.969	146	4494	0.479	ug/l	94
88) 1,4-Dichlorobenzene	12.036	146	4951m	0.508	ug/l	
89) n-Butylbenzene	12.335	91	7260	0.433	ug/l	95
90) Hexachloroethane	12.536	117	1349	0.427	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	3802	0.419	ug/l	91
92) 1,2-Dibromo-3-Chloropr...	12.951	75	354	0.366	ug/l #	56
93) 1,2,4-Trichlorobenzene	13.591	180	2779	0.450	ug/l	96
94) Hexachlorobutadiene	13.725	225	1279	0.550	ug/l	94
95) Naphthalene	13.780	128	6041	0.371	ug/l	97
96) 1,2,3-Trichlorobenzene	13.957	180	2280	0.391	ug/l	93

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

