

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070825\
 Data File : VX046914.D
 Acq On : 08 Jul 2025 12:13
 Operator : JC/MD
 Sample : Q2126-09 0.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2025

Quant Time: Jul 09 05:12:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 09 05:05:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	365707	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	614122	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	546882	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	288237	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	243245	50.347	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.700%	
35) Dibromofluoromethane	5.391	113	203757	48.878	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.760%	
50) Toluene-d8	8.647	98	705603	47.974	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 95.940%	
62) 4-Bromofluorobenzene	11.079	95	276230	49.416	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.840%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.179	85	1932	0.552	ug/l	93
3) Chloromethane	1.307	50	1989	0.521	ug/l	98
4) Vinyl Chloride	1.386	62	2145	0.515	ug/l	94
5) Bromomethane	1.630	94	2108	0.788	ug/l	83
6) Chloroethane	1.709	64	1564	0.569	ug/l #	84
7) Trichlorofluoromethane	1.904	101	2770	0.431	ug/l	98
8) Diethyl Ether	2.148	74	1129	0.493	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.343	101	2065	0.504	ug/l	93
10) Methyl Iodide	2.465	142	2210	0.495	ug/l #	87
11) Tert butyl alcohol	2.959	59	790	2.493	ug/l #	72
12) 1,1-Dichloroethene	2.343	96	1818	0.458	ug/l #	79
13) Acrolein	2.252	56	1069	2.825	ug/l	93
14) Allyl chloride	2.678	41	3346	0.474	ug/l #	88
15) Acrylonitrile	3.081	53	3910	2.134	ug/l	99
16) Acetone	2.386	43	4467	2.977	ug/l #	72
17) Carbon Disulfide	2.532	76	6271	0.603	ug/l #	95
18) Methyl Acetate	2.715	43	1858	0.470	ug/l #	68
19) Methyl tert-butyl Ether	3.123	73	4982	0.445	ug/l	97
20) Methylene Chloride	2.800	84	3529	0.795	ug/l #	85
21) trans-1,2-Dichloroethene	3.105	96	2273	0.560	ug/l	85
22) Diisopropyl ether	3.776	45	6454	0.473	ug/l #	92
23) Vinyl Acetate	3.739	43	20405	1.997	ug/l	95
24) 1,1-Dichloroethane	3.617	63	3822	0.491	ug/l #	83
25) 2-Butanone	4.605	43	8261m	4.126	ug/l	
26) 2,2-Dichloropropane	4.483	77	2900	0.501	ug/l #	71
27) cis-1,2-Dichloroethene	4.513	96	2537	0.512	ug/l	84
28) Bromochloromethane	4.910	49	1878	0.489	ug/l #	88
29) Tetrahydrofuran	5.032	42	2243	1.757	ug/l #	80
30) Chloroform	5.099	83	3826	0.481	ug/l	91
31) Cyclohexane	5.470	56	3460	0.501	ug/l #	76
32) 1,1,1-Trichloroethane	5.385	97	3269	0.492	ug/l #	50
36) 1,1-Dichloropropene	5.702	75	3250m	0.578	ug/l	
37) Ethyl Acetate	4.745	43	3074m	0.642	ug/l	
38) Carbon Tetrachloride	5.690	117	3042	0.512	ug/l	92
39) Methylcyclohexane	7.385	83	3679	0.523	ug/l	92
40) Benzene	6.050	78	7690	0.452	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.971	41	1255m	0.491	ug/l	
42) 1,2-Dichloroethane	6.105	62	3614	0.626	ug/l	93
43) Isopropyl Acetate	6.367	43	3337	0.455	ug/l #	77
44) Trichloroethene	7.135	130	2101	0.474	ug/l	97
45) 1,2-Dichloropropane	7.446	63	1952	0.454	ug/l #	84
46) Dibromomethane	7.598	93	1286	0.432	ug/l	94
47) Bromodichloromethane	7.824	83	3139	0.494	ug/l	86
48) Methyl methacrylate	7.726	41	2116m	0.559	ug/l	
51) 4-Methyl-2-Pentanone	8.580	43	8669	2.002	ug/l	98
52) Toluene	8.720	92	5240	0.497	ug/l	91
53) t-1,3-Dichloropropene	8.988	75	2387	0.421	ug/l	97
54) cis-1,3-Dichloropropene	8.385	75	2963	0.457	ug/l #	1
55) 1,1,2-Trichloroethane	9.165	97	1713	0.436	ug/l #	83
56) Ethyl methacrylate	9.128	69	1904	0.350	ug/l #	76
57) 1,3-Dichloropropane	9.317	76	3202	0.474	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.257	63	5042	1.647	ug/l	100
59) 2-Hexanone	9.451	43	5726	1.993	ug/l	82
60) Dibromochloromethane	9.525	129	2143	0.456	ug/l	93
61) 1,2-Dibromoethane	9.616	107	1745	0.442	ug/l	81
64) Tetrachloroethene	9.281	164	1847	0.507	ug/l	97
65) Chlorobenzene	10.073	112	6138	0.519	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	1818	0.457	ug/l #	66
67) Ethyl Benzene	10.195	91	9830	0.485	ug/l	96
68) m/p-Xylenes	10.305	106	7567	0.992	ug/l	98
69) o-Xylene	10.646	106	3436	0.466	ug/l	99
70) Styrene	10.659	104	5509	0.437	ug/l	97
71) Bromoform	10.805	173	1705	0.577	ug/l #	98
73) Isopropylbenzene	10.963	105	9097	0.449	ug/l	99
74) N-amyl acetate	10.854	43	2798m	0.406	ug/l	
75) 1,1,2,2-Tetrachloroethane	11.213	83	2626	0.471	ug/l	97
76) 1,2,3-Trichloropropane	11.244	75	1575m	0.354	ug/l	
77) Bromobenzene	11.195	156	2911	0.577	ug/l	88
78) n-propylbenzene	11.305	91	11747	0.481	ug/l	97
79) 2-Chlorotoluene	11.366	91	7319	0.507	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	7860	0.477	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	646m	0.389	ug/l	
82) 4-Chlorotoluene	11.457	91	8432	0.506	ug/l	94
83) tert-Butylbenzene	11.713	119	8216	0.483	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	7866	0.473	ug/l	96
85) sec-Butylbenzene	11.890	105	9831	0.459	ug/l	97
86) p-Isopropyltoluene	12.006	119	8670	0.483	ug/l	89
87) 1,3-Dichlorobenzene	11.969	146	4968	0.526	ug/l	96
88) 1,4-Dichlorobenzene	12.042	146	5390m	0.549	ug/l	
89) n-Butylbenzene	12.335	91	8330	0.494	ug/l	95
90) Hexachloroethane	12.530	117	1410	0.443	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	4818	0.527	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	360	0.369	ug/l	85
93) 1,2,4-Trichlorobenzene	13.591	180	2905	0.467	ug/l	93
94) Hexachlorobutadiene	13.725	225	1429	0.610	ug/l	94
95) Naphthalene	13.780	128	6735	0.411	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	2737	0.466	ug/l	95

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

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