

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052825\
 Data File : VX046387.D
 Acq On : 28 May 2025 16:12
 Operator : JC/MD
 Sample : Q2126-09 2.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: May 29 03:39:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/29/2025
 Supervised By : Mahesh Dadoda 05/29/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	81661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	147447	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	129156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	58213	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81234	53.358	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.720%			
35) Dibromofluoromethane	5.379	113	55375	52.153	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.300%			
50) Toluene-d8	8.647	98	180855	49.213	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.420%			
62) 4-Bromofluorobenzene	11.079	95	69079	49.004	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.000%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	3234	2.587	ug/l	98
3) Chloromethane	1.307	50	3140	2.591	ug/l	91
4) Vinyl Chloride	1.374	62	2676	2.372	ug/l	93
5) Bromomethane	1.599	94	1491	2.850	ug/l	94
6) Chloroethane	1.673	64	1681	2.791	ug/l	92
7) Trichlorofluoromethane	1.874	101	4504	2.702	ug/l	100
8) Diethyl Ether	2.136	74	1495	2.634	ug/l	70
9) 1,1,2-Trichlorotrifluo...	2.325	101	2821	2.734	ug/l	96
10) Methyl Iodide	2.447	142	2938	2.407	ug/l	98
11) Tert butyl alcohol	2.977	59	3117	14.586	ug/l	100
12) 1,1-Dichloroethene	2.313	96	2636	2.722	ug/l	93
13) Acrolein	2.239	56	1582	6.500	ug/l	92
14) Allyl chloride	2.660	41	5047	2.727	ug/l	95
15) Acrylonitrile	3.069	53	8800	14.401	ug/l	98
16) Acetone	2.386	43	8900	14.580	ug/l	98
17) Carbon Disulfide	2.502	76	4797	2.090	ug/l	96
18) Methyl Acetate	2.703	43	4555	3.216	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	8980	2.645	ug/l	96
20) Methylene Chloride	2.782	84	3242	2.772	ug/l #	96
21) trans-1,2-Dichloroethene	3.087	96	2651	2.722	ug/l	95
22) Diisopropyl ether	3.758	45	9464	2.648	ug/l #	47
23) Vinyl Acetate	3.721	43	39144	12.450	ug/l	99
24) 1,1-Dichloroethane	3.605	63	5555	2.790	ug/l #	94
25) 2-Butanone	4.574	43	12314	13.895	ug/l	97
26) 2,2-Dichloropropane	4.471	77	4127	2.648	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	3003	2.562	ug/l	90
28) Bromochloromethane	4.898	49	2842	2.965	ug/l #	97
29) Tetrahydrofuran	5.013	42	7558	13.610	ug/l	99
30) Chloroform	5.099	83	6213	2.994	ug/l	93
31) Cyclohexane	5.465	56	4755	2.621	ug/l	86
32) 1,1,1-Trichloroethane	5.379	97	5103	2.837	ug/l	96
36) 1,1-Dichloropropene	5.696	75	3721	2.608	ug/l	100
37) Ethyl Acetate	4.739	43	4509m	2.558	ug/l	
38) Carbon Tetrachloride	5.672	117	4099	2.557	ug/l	96
39) Methylcyclohexane	7.379	83	4676	2.546	ug/l	98
40) Benzene	6.038	78	11684	2.796	ug/l	96

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41) Methacrylonitrile	4.934	41	2471m	2.680	ug/l	
42) 1,2-Dichloroethane	6.092	62	5230	2.900	ug/l	96
43) Isopropyl Acetate	6.348	43	6925	2.575	ug/l	95
44) Trichloroethene	7.123	130	2595	2.580	ug/l	95
45) 1,2-Dichloropropane	7.434	63	2973	2.861	ug/l	90
46) Dibromomethane	7.580	93	2275	2.776	ug/l	95
47) Bromodichloromethane	7.824	83	4107	2.544	ug/l	97
48) Methyl methacrylate	7.702	41	3519	2.563	ug/l	93
49) 1,4-Dioxane	7.678	88	1486	56.991	ug/l	93
51) 4-Methyl-2-Pentanone	8.574	43	23683	13.269	ug/l	97
52) Toluene	8.720	92	6871	2.682	ug/l	95
53) t-1,3-Dichloropropene	8.982	75	3041	2.120	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	3850	2.428	ug/l #	91
55) 1,1,2-Trichloroethane	9.153	97	2908	2.878	ug/l	97
56) Ethyl methacrylate	9.122	69	3667	2.277	ug/l	91
57) 1,3-Dichloropropane	9.311	76	4745	2.615	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	10298	12.545	ug/l	97
59) 2-Hexanone	9.433	43	16784	12.710	ug/l	94
60) Dibromochloromethane	9.519	129	2686	2.421	ug/l	98
61) 1,2-Dibromoethane	9.610	107	2792	2.659	ug/l	96
64) Tetrachloroethene	9.275	164	2651	2.901	ug/l	94
65) Chlorobenzene	10.073	112	7444	2.633	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	2406	2.492	ug/l	95
67) Ethyl Benzene	10.195	91	12622	2.533	ug/l	99
68) m/p-Xylenes	10.299	106	9072	4.978	ug/l	94
69) o-Xylene	10.640	106	4514	2.541	ug/l	97
70) Styrene	10.659	104	6850	2.353	ug/l	95
71) Bromoform	10.799	173	1547	2.135	ug/l #	91
73) Isopropylbenzene	10.964	105	11692	2.580	ug/l	99
74) N-amyl acetate	10.848	43	5486	2.450	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	4539	2.858	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	3655m	2.608	ug/l	
77) Bromobenzene	11.201	156	2970	2.823	ug/l	97
78) n-propylbenzene	11.305	91	13471	2.556	ug/l	99
79) 2-Chlorotoluene	11.366	91	9254	2.723	ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	9620	2.541	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.025	75	864m	2.007	ug/l	
82) 4-Chlorotoluene	11.457	91	9869	2.618	ug/l	99
83) tert-Butylbenzene	11.713	119	8960	2.349	ug/l	91
84) 1,2,4-Trimethylbenzene	11.750	105	9516	2.482	ug/l	100
85) sec-Butylbenzene	11.890	105	11498	2.455	ug/l	99
86) p-Isopropyltoluene	12.006	119	8794	2.275	ug/l	95
87) 1,3-Dichlorobenzene	11.969	146	4701	2.448	ug/l	97
88) 1,4-Dichlorobenzene	12.037	146	5193	2.648	ug/l	83
89) n-Butylbenzene	12.329	91	7207	2.126	ug/l	98
90) Hexachloroethane	12.536	117	1647	2.419	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	5216	2.707	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	929	2.640	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	2245	2.028	ug/l	96
94) Hexachlorobutadiene	13.719	225	1251	2.588	ug/l	96
95) Naphthalene	13.774	128	8122	2.001	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	2360	2.067	ug/l	99

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

