

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070725\
 Data File : VX046903.D
 Acq On : 07 Jul 2025 13:28
 Operator : JC/MD
 Sample : Q2126-08 1.0PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2025

Quant Time: Jul 08 04:53:16 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	5.562	168	390249	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	655242	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	608651	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	312037	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	253813	49.231	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.460%		
35) Dibromofluoromethane	5.397	113	210663	47.363	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.720%		
50) Toluene-d8	8.647	98	728585	46.428	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.860%		
62) 4-Bromofluorobenzene	11.079	95	291957	48.952	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.900%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.179	85	3226	0.864	ug/l	99
3) Chloromethane	1.307	50	4133	1.014	ug/l	98
4) Vinyl Chloride	1.386	62	3856	0.868	ug/l	90
6) Chloroethane	1.709	64	4040	1.378	ug/l	96
7) Trichlorofluoromethane	1.904	101	6340	0.923	ug/l	94
8) Diethyl Ether	2.148	74	2202	0.901	ug/l	77
9) 1,1,2-Trichlorotrifluo...	2.349	101	3813	0.872	ug/l	92
12) 1,1-Dichloroethene	2.337	96	3916	0.925	ug/l	96
14) Allyl chloride	2.685	41	6988	0.928	ug/l	97
15) Acrylonitrile	3.081	53	7168	3.667	ug/l #	92
16) Acetone	2.386	43	8627	5.387	ug/l	97
17) Carbon Disulfide	2.526	76	10974	0.989	ug/l #	91
18) Methyl Acetate	2.715	43	3773	0.894	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	11066	0.926	ug/l #	90
20) Methylene Chloride	2.806	84	5188	1.096	ug/l #	82
21) trans-1,2-Dichloroethene	3.111	96	4218	0.974	ug/l	92
22) Diisopropyl ether	3.776	45	12622	0.867	ug/l #	44
23) Vinyl Acetate	3.745	43	44843	4.112	ug/l #	94
24) 1,1-Dichloroethane	3.623	63	7920	0.954	ug/l	94
25) 2-Butanone	4.593	43	9627	4.506	ug/l #	86
26) 2,2-Dichloropropane	4.489	77	5377	0.870	ug/l	88
27) cis-1,2-Dichloroethene	4.513	96	3907	0.739	ug/l	74
28) Bromochloromethane	4.910	49	3515	0.858	ug/l #	98
29) Tetrahydrofuran	5.038	42	6340	4.655	ug/l #	68
30) Chloroform	5.111	83	7885	0.930	ug/l	91
32) 1,1,1-Trichloroethane	5.397	97	6262	0.884	ug/l #	41
36) 1,1-Dichloropropene	5.708	75	5053	0.842	ug/l	88
37) Ethyl Acetate	4.745	43	4871m	0.953	ug/l	
38) Carbon Tetrachloride	5.684	117	6091	0.960	ug/l	95
39) Methylcyclohexane	7.391	83	7236	0.964	ug/l #	80
40) Benzene	6.050	78	16585	0.914	ug/l	96
41) Methacrylonitrile	4.977	41	1657m	0.608	ug/l	
42) 1,2-Dichloroethane	6.105	62	5713	0.927	ug/l	96
43) Isopropyl Acetate	6.367	43	6411m	0.819	ug/l	
44) Trichloroethene	7.153	130	4598	0.973	ug/l	76
45) 1,2-Dichloropropane	7.440	63	4184	0.912	ug/l	98

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46) Dibromomethane	7.598	93	3183	1.002	ug/l	88
47) Bromodichloromethane	7.824	83	5843	0.861	ug/l #	88
48) Methyl methacrylate	7.714	41	2631m	0.651	ug/l	
51) 4-Methyl-2-Pentanone	8.580	43	18257	3.951	ug/l	98
52) Toluene	8.720	92	11049	0.982	ug/l	93
53) t-1,3-Dichloropropene	8.994	75	5076	0.838	ug/l	99
54) cis-1,3-Dichloropropene	8.379	75	5436	0.787	ug/l #	48
55) 1,1,2-Trichloroethane	9.159	97	3986	0.951	ug/l #	81
56) Ethyl methacrylate	9.135	69	4709	0.812	ug/l	95
57) 1,3-Dichloropropane	9.311	76	6709	0.930	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.251	63	11903	3.643	ug/l	98
59) 2-Hexanone	9.439	43	12277	4.006	ug/l	98
60) Dibromochloromethane	9.525	129	4179	0.834	ug/l	100
61) 1,2-Dibromoethane	9.622	107	3635	0.864	ug/l	96
64) Tetrachloroethene	9.275	164	3993	0.985	ug/l #	74
65) Chlorobenzene	10.080	112	12844	0.976	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.159	131	3698	0.836	ug/l #	63
67) Ethyl Benzene	10.195	91	19591	0.869	ug/l	98
68) m/p-Xylenes	10.305	106	14215	1.674	ug/l	93
69) o-Xylene	10.640	106	6986	0.852	ug/l	97
70) Styrene	10.659	104	10362	0.738	ug/l	95
71) Bromoform	10.799	173	3156	0.960	ug/l #	87
73) Isopropylbenzene	10.964	105	18207	0.830	ug/l	100
74) N-amyl acetate	10.848	43	5559	0.746	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.213	83	4934	0.818	ug/l	89
76) 1,2,3-Trichloropropane	11.238	75	4309m	0.894	ug/l	
77) Bromobenzene	11.201	156	4934	0.903	ug/l	97
78) n-propylbenzene	11.305	91	22584	0.854	ug/l	99
79) 2-Chlorotoluene	11.366	91	14336	0.918	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	15087	0.846	ug/l	99
82) 4-Chlorotoluene	11.457	91	15095	0.838	ug/l	96
83) tert-Butylbenzene	11.713	119	16083	0.874	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	13375	0.742	ug/l	98
85) sec-Butylbenzene	11.890	105	18966	0.817	ug/l	100
86) p-Isopropyltoluene	12.006	119	16204	0.834	ug/l	93
87) 1,3-Dichlorobenzene	11.969	146	8608	0.842	ug/l	94
88) 1,4-Dichlorobenzene	12.037	146	10502m	0.988	ug/l	
89) n-Butylbenzene	12.335	91	13769	0.754	ug/l	97
90) Hexachloroethane	12.543	117	2596	0.753	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	8848	0.894	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	897	0.850	ug/l	87
93) 1,2,4-Trichlorobenzene	13.591	180	5285	0.786	ug/l	98
94) Hexachlorobutadiene	13.725	225	2346	0.925	ug/l	97
95) Naphthalene	13.774	128	13564	0.765	ug/l	96
96) 1,2,3-Trichlorobenzene	13.957	180	5623	0.885	ug/l	97

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

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