

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070925\
 Data File : VX046929.D
 Acq On : 09 Jul 2025 14:06
 Operator : JC/MD
 Sample : Q2126-07 2.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Jul 10 03:13:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 10 02:52:52 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/10/2025
 Supervised By : Mahesh Dadoda 07/10/2025

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	355463	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	592251	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	540069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	284050	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	233981	49.825	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.660%		
35) Dibromofluoromethane	5.397	113	196677	48.922	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.840%		
50) Toluene-d8	8.647	98	676245	47.676	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.360%		
62) 4-Bromofluorobenzene	11.079	95	267109	49.549	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.100%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.179	85	7952	2.339	ug/l	97
3) Chloromethane	1.307	50	9200	2.477	ug/l	100
4) Vinyl Chloride	1.386	62	9478	2.343	ug/l	98
5) Bromomethane	1.630	94	6970	2.682	ug/l	82
6) Chloroethane	1.703	64	7442	2.786	ug/l	99
7) Trichlorofluoromethane	1.904	101	15388	2.461	ug/l	97
8) Diethyl Ether	2.148	74	5935	2.667	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.349	101	10181	2.555	ug/l	94
10) Methyl Iodide	2.471	142	9776	2.252	ug/l	98
11) Tert butyl alcohol	2.959	59	3781	12.276	ug/l	95
12) 1,1-Dichloroethene	2.337	96	9406	2.440	ug/l	90
13) Acrolein	2.252	56	5271	14.332	ug/l	86
14) Allyl chloride	2.678	41	16591	2.418	ug/l	99
15) Acrylonitrile	3.081	53	21572	12.114	ug/l	99
16) Acetone	2.386	43	20421	14.000	ug/l	99
17) Carbon Disulfide	2.532	76	24630	2.437	ug/l	99
18) Methyl Acetate	2.715	43	8892	2.313	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	25445	2.338	ug/l #	90
20) Methylene Chloride	2.806	84	51081	11.843	ug/l	94
21) trans-1,2-Dichloroethene	3.111	96	10034	2.544	ug/l	92
22) Diisopropyl ether	3.776	45	33121	2.498	ug/l #	80
23) Vinyl Acetate	3.739	43	117876	11.868	ug/l #	93
24) 1,1-Dichloroethane	3.623	63	18968	2.509	ug/l #	85
25) 2-Butanone	4.587	43	24605	12.643	ug/l #	87
26) 2,2-Dichloropropane	4.489	77	12981	2.307	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	12626	2.622	ug/l	95
28) Bromochloromethane	4.916	49	9068	2.430	ug/l	95
29) Tetrahydrofuran	5.025	42	15589	12.566	ug/l	94
30) Chloroform	5.105	83	20547	2.660	ug/l	89
31) Cyclohexane	5.483	56	17071	2.543	ug/l	93
32) 1,1,1-Trichloroethane	5.391	97	16438	2.547	ug/l	98
36) 1,1-Dichloropropene	5.708	75	14520	2.677	ug/l	98
37) Ethyl Acetate	4.745	43	10356m	2.242	ug/l	
38) Carbon Tetrachloride	5.696	117	15192m	2.649	ug/l	
39) Methylcyclohexane	7.385	83	16703	2.462	ug/l	99
40) Benzene	6.050	78	43150	2.630	ug/l	94

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41) Methacrylonitrile	4.952	41	5867	2.381	ug/l #	76
42) 1,2-Dichloroethane	6.105	62	15490	2.780	ug/l	94
43) Isopropyl Acetate	6.354	43	15385	2.174	ug/l #	93
44) Trichloroethene	7.135	130	11125	2.605	ug/l	91
45) 1,2-Dichloropropane	7.434	63	10339	2.494	ug/l #	87
46) Dibromomethane	7.592	93	7370	2.566	ug/l	98
47) Bromodichloromethane	7.830	83	15034	2.452	ug/l	93
48) Methyl methacrylate	7.714	41	8291	2.269	ug/l	98
49) 1,4-Dioxane	7.684	88	2283	53.926	ug/l #	50
51) 4-Methyl-2-Pentanone	8.574	43	48864	11.701	ug/l	99
52) Toluene	8.720	92	27336	2.689	ug/l	98
53) t-1,3-Dichloropropene	8.988	75	12933	2.363	ug/l	100
54) cis-1,3-Dichloropropene	8.372	75	14809	2.371	ug/l #	80
55) 1,1,2-Trichloroethane	9.159	97	10014	2.645	ug/l	95
56) Ethyl methacrylate	9.122	69	11318	2.159	ug/l	87
57) 1,3-Dichloropropane	9.311	76	17360	2.662	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.250	63	31836	10.780	ug/l	99
59) 2-Hexanone	9.433	43	34458	12.439	ug/l	93
60) Dibromochloromethane	9.525	129	11263	2.485	ug/l	97
61) 1,2-Dibromoethane	9.616	107	10206	2.684	ug/l	95
64) Tetrachloroethene	9.275	164	9566	2.660	ug/l	93
65) Chlorobenzene	10.079	112	30379	2.602	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	9519	2.425	ug/l	95
67) Ethyl Benzene	10.195	91	50397	2.520	ug/l	99
68) m/p-Xylenes	10.299	106	37977	5.040	ug/l	96
69) o-Xylene	10.640	106	18007	2.474	ug/l	100
70) Styrene	10.659	104	29830	2.395	ug/l	98
71) Bromoform	10.799	173	7341	2.515	ug/l #	99
73) Isopropylbenzene	10.963	105	48290	2.418	ug/l	97
74) N-amyl acetate	10.848	43	14922	2.199	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	13774	2.509	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	10320m	2.351	ug/l	
77) Bromobenzene	11.201	156	12168	2.446	ug/l	98
78) n-propylbenzene	11.305	91	59274	2.462	ug/l	98
79) 2-Chlorotoluene	11.366	91	35811	2.519	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	39174	2.414	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.024	75	3021m	1.847	ug/l	
82) 4-Chlorotoluene	11.451	91	40993	2.499	ug/l	98
83) tert-Butylbenzene	11.713	119	39853	2.378	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	38979	2.377	ug/l	98
85) sec-Butylbenzene	11.890	105	50114	2.372	ug/l	99
86) p-Isopropyltoluene	12.006	119	42067	2.378	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	23439	2.520	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	24693	2.551	ug/l	88
89) n-Butylbenzene	12.335	91	36986	2.225	ug/l	98
90) Hexachloroethane	12.536	117	7273	2.319	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	21718	2.409	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	2165	2.254	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	14120	2.306	ug/l	98
94) Hexachlorobutadiene	13.719	225	5823	2.521	ug/l	96
95) Naphthalene	13.774	128	35155	2.179	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	13530	2.338	ug/l	98

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

