

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070725\
 Data File : VX046896.D
 Acq On : 07 Jul 2025 10:21
 Operator : JC/MD
 Sample : VX0707WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0707WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Jul 08 04:46:02 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

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	349100	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	575953	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	523209	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	270376	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	229518	49.766	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.540%		
35) Dibromofluoromethane	5.391	113	191513	48.986	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.980%		
50) Toluene-d8	8.647	98	672334	48.742	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.480%		
62) 4-Bromofluorobenzene	11.079	95	262856	50.140	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.280%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.178	85	61908	18.543	ug/l	99
3) Chloromethane	1.306	50	67023	18.374	ug/l	99
4) Vinyl Chloride	1.386	62	72375	18.220	ug/l	98
5) Bromomethane	1.629	94	50951	19.963	ug/l	92
6) Chloroethane	1.703	64	47599	18.147	ug/l	95
7) Trichlorofluoromethane	1.904	101	114396	18.625	ug/l	98
8) Diethyl Ether	2.148	74	42246	19.328	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.343	101	73031	18.660	ug/l	98
10) Methyl Iodide	2.465	142	78745	18.468	ug/l	99
11) Tert butyl alcohol	2.952	59	30854	102.005	ug/l	98
12) 1,1-Dichloroethene	2.337	96	70358	18.586	ug/l	94
13) Acrolein	2.245	56	37038	102.543	ug/l	99
14) Allyl chloride	2.678	41	127426	18.907	ug/l	98
15) Acrylonitrile	3.068	53	176285	100.803	ug/l	98
16) Acetone	2.385	43	133608	93.265	ug/l	99
17) Carbon Disulfide	2.526	76	170017	17.126	ug/l	99
18) Methyl Acetate	2.709	43	78412	20.766	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	217483	20.344	ug/l	99
20) Methylene Chloride	2.800	84	80259	18.946	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	72989	18.843	ug/l	92
22) Diisopropyl ether	3.769	45	261518	20.085	ug/l	98
23) Vinyl Acetate	3.727	43	974634	99.913	ug/l	100
24) 1,1-Dichloroethane	3.623	63	140015	18.855	ug/l	98
25) 2-Butanone	4.562	43	200880	105.101	ug/l	96
26) 2,2-Dichloropropane	4.489	77	102574	18.560	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	89847	18.998	ug/l	100
28) Bromochloromethane	4.903	49	74458	20.317	ug/l	100
29) Tetrahydrofuran	5.007	42	124446	102.140	ug/l	99
30) Chloroform	5.098	83	145003	19.113	ug/l	100
31) Cyclohexane	5.476	56	125348	19.014	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	118792	18.742	ug/l	98
36) 1,1-Dichloropropene	5.702	75	99564	18.875	ug/l	100
37) Ethyl Acetate	4.720	43	78604	17.496	ug/l	99
38) Carbon Tetrachloride	5.684	117	106039	19.015	ug/l	96
39) Methylcyclohexane	7.385	83	120726	18.296	ug/l	97
40) Benzene	6.043	78	305327	19.137	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	48658	20.303	ug/l	97
42) 1,2-Dichloroethane	6.092	62	107763	19.891	ug/l	100
43) Isopropyl Acetate	6.342	43	141549	20.570	ug/l	98
44) Trichloroethene	7.129	130	77435	18.645	ug/l	98
45) 1,2-Dichloropropane	7.433	63	77238	19.161	ug/l	95
46) Dibromomethane	7.580	93	54613	19.554	ug/l	99
47) Bromodichloromethane	7.824	83	117283	19.667	ug/l	99
48) Methyl methacrylate	7.695	41	73944	20.810	ug/l	96
49) 1,4-Dioxane	7.659	88	17496	424.959	ug/l #	93
51) 4-Methyl-2-Pentanone	8.567	43	424663	104.565	ug/l	100
52) Toluene	8.720	92	191980	19.418	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	102444	19.248	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	120262	19.796	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	74760	20.301	ug/l	96
56) Ethyl methacrylate	9.116	69	102306	20.072	ug/l	96
57) 1,3-Dichloropropane	9.305	76	127061	20.038	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	272673	94.947	ug/l	99
59) 2-Hexanone	9.427	43	289466	107.456	ug/l	98
60) Dibromochloromethane	9.518	129	87007	19.743	ug/l	98
61) 1,2-Dibromoethane	9.610	107	73401	19.847	ug/l	99
64) Tetrachloroethene	9.274	164	63693	18.284	ug/l	98
65) Chlorobenzene	10.079	112	215468	19.048	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.158	131	72918	19.175	ug/l	99
67) Ethyl Benzene	10.195	91	370263	19.113	ug/l	98
68) m/p-Xylenes	10.299	106	284966	39.038	ug/l	99
69) o-Xylene	10.640	106	135103	19.160	ug/l	99
70) Styrene	10.652	104	239319	19.837	ug/l	100
71) Bromoform	10.799	173	55209	19.526	ug/l #	98
73) Isopropylbenzene	10.957	105	362060	19.049	ug/l	99
74) N-amyl acetate	10.841	43	126307	19.556	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	103674	19.837	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	80579m	19.288	ug/l	
77) Bromobenzene	11.195	156	88550	18.704	ug/l	96
78) n-propylbenzene	11.299	91	430182	18.770	ug/l	99
79) 2-Chlorotoluene	11.359	91	255829	18.905	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	299326	19.382	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	28824	18.515	ug/l	97
82) 4-Chlorotoluene	11.451	91	304145	19.476	ug/l	100
83) tert-Butylbenzene	11.713	119	304252	19.074	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	302545	19.381	ug/l	97
85) sec-Butylbenzene	11.890	105	379169	18.854	ug/l	100
86) p-Isopropyltoluene	12.006	119	317282	18.839	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	167233	18.888	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	172621	18.733	ug/l	99
89) n-Butylbenzene	12.329	91	291072	18.394	ug/l	100
90) Hexachloroethane	12.536	117	53053	17.770	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	161942	18.874	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	18211	19.922	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	109510	18.787	ug/l	100
94) Hexachlorobutadiene	13.719	225	39894	18.148	ug/l	97
95) Naphthalene	13.774	128	301370	19.621	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	105974	19.241	ug/l	99

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

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