

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
 Data File : VX046890.D
 Acq On : 03 Jul 2025 16:03
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Jul 07 08:43:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	363276	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	606396	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	543059	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	274785	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	226406	47.175	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.360%		
35) Dibromofluoromethane	5.397	113	190727	46.335	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.680%		
50) Toluene-d8	8.647	98	663956	45.718	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.440%#		
62) 4-Bromofluorobenzene	11.079	95	258032	46.749	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.500%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.179	85	166435	47.906	ug/l	100
3) Chloromethane	1.307	50	176136	46.403	ug/l	99
4) Vinyl Chloride	1.386	62	195391	47.269	ug/l	99
5) Bromomethane	1.624	94	120558	45.392	ug/l	98
6) Chloroethane	1.703	64	123121	45.108	ug/l	100
7) Trichlorofluoromethane	1.904	101	301902	47.235	ug/l	100
8) Diethyl Ether	2.148	74	108327	47.626	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.343	101	192438	47.251	ug/l	99
10) Methyl Iodide	2.465	142	207970	46.872	ug/l	100
11) Tert butyl alcohol	2.953	59	80163	254.681	ug/l	98
12) 1,1-Dichloroethene	2.337	96	184806	46.914	ug/l	98
13) Acrolein	2.245	56	87794	252.390	ug/l	96
14) Allyl chloride	2.678	41	335321	47.812	ug/l	99
15) Acrylonitrile	3.068	53	452129	248.447	ug/l	100
16) Acetone	2.386	43	361815	242.708	ug/l	96
17) Carbon Disulfide	2.526	76	445998	43.172	ug/l	99
18) Methyl Acetate	2.709	43	205160	52.214	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	551602	49.586	ug/l	100
20) Methylene Chloride	2.800	84	208155	47.220	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	191050	47.397	ug/l	99
22) Diisopropyl ether	3.770	45	675155	49.829	ug/l	99
23) Vinyl Acetate	3.733	43	2536699	249.898	ug/l	100
24) 1,1-Dichloroethane	3.623	63	365402	47.286	ug/l	100
25) 2-Butanone	4.562	43	515090	258.979	ug/l	98
26) 2,2-Dichloropropane	4.483	77	263579	45.832	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	236266	48.008	ug/l	99
28) Bromochloromethane	4.910	49	165563	43.413	ug/l	100
29) Tetrahydrofuran	5.007	42	330353	260.559	ug/l	99
30) Chloroform	5.099	83	372535	47.189	ug/l	98
31) Cyclohexane	5.477	56	322610	47.027	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	306329	46.444	ug/l	99
36) 1,1-Dichloropropene	5.702	75	253104	45.574	ug/l	99
37) Ethyl Acetate	4.721	43	220234	46.559	ug/l	98
38) Carbon Tetrachloride	5.690	117	269751	45.943	ug/l	97
39) Methylcyclohexane	7.385	83	312603	44.997	ug/l	98
40) Benzene	6.044	78	779514	46.405	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	130449	51.698	ug/l	98
42) 1,2-Dichloroethane	6.092	62	264399	46.353	ug/l	100
43) Isopropyl Acetate	6.342	43	364779	50.348	ug/l	100
44) Trichloroethene	7.129	130	200025	45.744	ug/l	99
45) 1,2-Dichloropropane	7.434	63	197912	46.633	ug/l	98
46) Dibromomethane	7.580	93	137999	46.930	ug/l	100
47) Bromodichloromethane	7.824	83	293355	46.722	ug/l	98
48) Methyl methacrylate	7.696	41	193426	51.704	ug/l	98
49) 1,4-Dioxane	7.659	88	44277	1021.451	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	1093159	255.655	ug/l	100
52) Toluene	8.720	92	485542	46.645	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	266708	47.597	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	304814	47.657	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	182650	47.109	ug/l	98
56) Ethyl methacrylate	9.116	69	273320	50.933	ug/l	99
57) 1,3-Dichloropropane	9.305	76	318706	47.738	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	769570	254.517	ug/l	99
59) 2-Hexanone	9.427	43	741020	261.271	ug/l	99
60) Dibromochloromethane	9.519	129	215262	46.393	ug/l	99
61) 1,2-Dibromoethane	9.610	107	182474	46.862	ug/l	99
64) Tetrachloroethene	9.275	164	163038	45.092	ug/l	95
65) Chlorobenzene	10.079	112	546559	46.551	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	184845	46.832	ug/l	100
67) Ethyl Benzene	10.189	91	945504	47.023	ug/l	99
68) m/p-Xylenes	10.299	106	706680	93.270	ug/l	99
69) o-Xylene	10.640	106	346409	47.331	ug/l	98
70) Styrene	10.652	104	596861	47.666	ug/l	99
71) Bromoform	10.799	173	135750	46.256	ug/l #	98
73) Isopropylbenzene	10.957	105	906494	46.928	ug/l	100
74) N-amyl acetate	10.841	43	332668	50.681	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	253887	47.799	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	205268m	48.346	ug/l	
77) Bromobenzene	11.195	156	221667	46.070	ug/l	98
78) n-propylbenzene	11.299	91	1075973	46.195	ug/l	100
79) 2-Chlorotoluene	11.360	91	637752	46.371	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	734303	46.784	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	72923	46.090	ug/l	97
82) 4-Chlorotoluene	11.451	91	738576	46.536	ug/l	100
83) tert-Butylbenzene	11.713	119	754646	46.552	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	737391	46.480	ug/l	97
85) sec-Butylbenzene	11.890	105	930385	45.520	ug/l	99
86) p-Isopropyltoluene	12.006	119	779230	45.526	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	414859	46.103	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	412494	44.046	ug/l	99
89) n-Butylbenzene	12.329	91	708475	44.053	ug/l	99
90) Hexachloroethane	12.536	117	132641	43.715	ug/l	99
91) 1,2-Dichlorobenzene	12.329	146	396234	45.439	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	44980	48.417	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	267495	45.154	ug/l	100
94) Hexachlorobutadiene	13.719	225	90509	40.512	ug/l	100
95) Naphthalene	13.774	128	778101	49.845	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	253635	45.313	ug/l	97

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

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