

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
 Data File : VX046869.D
 Acq On : 03 Jul 2025 08:19
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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

Quant Time: Jul 04 01:22:52 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	416385	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	663948	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	582621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	287854	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	268159	48.749	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.500%		
35) Dibromofluoromethane	5.391	113	233072	51.715	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.420%		
50) Toluene-d8	8.647	98	790622	49.721	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.440%		
62) 4-Bromofluorobenzene	11.079	95	297077	49.157	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.320%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	223770	56.194	ug/l	98
3) Chloromethane	1.307	50	232406	53.418	ug/l	97
4) Vinyl Chloride	1.386	62	251664	53.117	ug/l	97
5) Bromomethane	1.624	94	161842	53.164	ug/l	98
6) Chloroethane	1.703	64	156188	49.924	ug/l	98
7) Trichlorofluoromethane	1.904	101	386398	52.745	ug/l	98
8) Diethyl Ether	2.142	74	134606	51.632	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.343	101	244471	52.371	ug/l	99
10) Methyl Iodide	2.465	142	268151	52.727	ug/l	99
11) Tert butyl alcohol	2.947	59	80926	224.312	ug/l	100
12) 1,1-Dichloroethene	2.337	96	230895	51.138	ug/l	97
13) Acrolein	2.246	56	107635	269.765	ug/l	100
14) Allyl chloride	2.678	41	407774	50.727	ug/l	99
15) Acrylonitrile	3.069	53	506424	242.788	ug/l	99
16) Acetone	2.380	43	438299	256.513	ug/l	97
17) Carbon Disulfide	2.526	76	594052	50.169	ug/l	99
18) Methyl Acetate	2.709	43	224225	49.787	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	643059	50.434	ug/l	98
20) Methylene Chloride	2.800	84	255314	50.531	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	235323	50.934	ug/l	98
22) Diisopropyl ether	3.764	45	800256	51.529	ug/l	97
23) Vinyl Acetate	3.727	43	2938553	252.563	ug/l	100
24) 1,1-Dichloroethane	3.617	63	443818	50.109	ug/l	98
25) 2-Butanone	4.556	43	531674	233.222	ug/l	99
26) 2,2-Dichloropropane	4.483	77	328171	49.785	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	279872	49.615	ug/l	99
28) Bromochloromethane	4.904	49	216349	49.494	ug/l	99
29) Tetrahydrofuran	5.007	42	338924	233.223	ug/l	99
30) Chloroform	5.099	83	438996	48.515	ug/l	99
31) Cyclohexane	5.477	56	382912	48.698	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	370625	49.025	ug/l	99
36) 1,1-Dichloropropene	5.696	75	298025	49.011	ug/l	99
37) Ethyl Acetate	4.715	43	228731	44.164	ug/l	99
38) Carbon Tetrachloride	5.684	117	322149	50.111	ug/l	99
39) Methylcyclohexane	7.379	83	377242	49.595	ug/l	98
40) Benzene	6.044	78	911859	49.578	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	146617	53.069	ug/l	97
42) 1,2-Dichloroethane	6.092	62	307803	49.285	ug/l	99
43) Isopropyl Acetate	6.336	43	391699	49.377	ug/l	99
44) Trichloroethene	7.123	130	232324	48.525	ug/l	100
45) 1,2-Dichloropropane	7.428	63	227723	49.006	ug/l	97
46) Dibromomethane	7.580	93	154969	48.133	ug/l	98
47) Bromodichloromethane	7.818	83	338904	49.297	ug/l	97
48) Methyl methacrylate	7.690	41	203191	49.606	ug/l	99
49) 1,4-Dioxane	7.659	88	46162	972.626	ug/l	98
51) 4-Methyl-2-Pentanone	8.568	43	1101047	235.179	ug/l	100
52) Toluene	8.714	92	558370	48.992	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	305488	49.792	ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	351836	50.240	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	204472	48.166	ug/l	98
56) Ethyl methacrylate	9.110	69	287813	48.984	ug/l	99
57) 1,3-Dichloropropane	9.305	76	351147	48.038	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	861768	260.305	ug/l	100
59) 2-Hexanone	9.427	43	744805	239.843	ug/l	99
60) Dibromochloromethane	9.519	129	248143	48.844	ug/l	98
61) 1,2-Dibromoethane	9.604	107	205122	48.112	ug/l	100
64) Tetrachloroethene	9.269	164	188971	48.715	ug/l	93
65) Chlorobenzene	10.073	112	609150	48.359	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	210490	49.708	ug/l	100
67) Ethyl Benzene	10.189	91	1069097	49.560	ug/l	100
68) m/p-Xylenes	10.299	106	804090	98.920	ug/l	100
69) o-Xylene	10.640	106	387802	49.389	ug/l	98
70) Styrene	10.653	104	668591	49.769	ug/l	99
71) Bromoform	10.793	173	153922	48.887	ug/l #	100
73) Isopropylbenzene	10.957	105	1024195	50.614	ug/l	100
74) N-amyl acetate	10.842	43	335560	48.800	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	259488	46.635	ug/l	100
76) 1,2,3-Trichloropropane	11.232	75	216945m	48.776	ug/l	
77) Bromobenzene	11.195	156	247421	49.088	ug/l	99
78) n-propylbenzene	11.299	91	1212749	49.703	ug/l	100
79) 2-Chlorotoluene	11.360	91	700526	48.623	ug/l	99
80) 1,3,5-Trimethylbenzene	11.445	105	825975	50.235	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.012	75	79854	48.179	ug/l #	95
82) 4-Chlorotoluene	11.451	91	824470	49.590	ug/l	100
83) tert-Butylbenzene	11.713	119	855537	50.379	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	835526	50.275	ug/l	97
85) sec-Butylbenzene	11.884	105	1061754	49.589	ug/l	100
86) p-Isopropyltoluene	12.006	119	892126	49.756	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	460220	48.822	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	458294	46.714	ug/l	99
89) n-Butylbenzene	12.329	91	834911	49.557	ug/l	100
90) Hexachloroethane	12.536	117	157858	49.664	ug/l	100
91) 1,2-Dichlorobenzene	12.329	146	434008	47.511	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	44929	46.166	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	303352	48.882	ug/l	100
94) Hexachlorobutadiene	13.719	225	115868	49.508	ug/l	99
95) Naphthalene	13.774	128	814689	49.820	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	285145	48.629	ug/l	98

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

