

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
 Data File : VX046988.D
 Acq On : 15 Jul 2025 10:18
 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 07/16/2025
 Supervised By : Mahesh Dadoda 07/16/2025

Quant Time: Jul 16 02:20:20 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	298555	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	499158	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	443564	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	217822	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	214513	54.387	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.780%			
35) Dibromofluoromethane	5.391	113	178999	52.829	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.660%			
50) Toluene-d8	8.647	98	605167	50.622	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.240%			
62) 4-Bromofluorobenzene	11.079	95	242088	53.283	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.560%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	136314	47.742	ug/l	98
3) Chloromethane	1.306	50	144424	46.297	ug/l	100
4) Vinyl Chloride	1.386	62	161197	47.451	ug/l	98
5) Bromomethane	1.617	94	103355	47.351	ug/l	99
6) Chloroethane	1.703	64	107013	47.706	ug/l	98
7) Trichlorofluoromethane	1.904	101	270152	51.431	ug/l	99
8) Diethyl Ether	2.148	74	102078	54.608	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.343	101	174645	52.178	ug/l	99
10) Methyl Iodide	2.465	142	172384	47.274	ug/l	96
11) Tert butyl alcohol	2.959	59	105764	408.859	ug/l	99
12) 1,1-Dichloroethene	2.337	96	162804	50.288	ug/l	97
13) Acrolein	2.251	56	81952	286.283	ug/l	98
14) Allyl chloride	2.678	41	315442	54.728	ug/l	99
15) Acrylonitrile	3.068	53	467316	312.460	ug/l	99
16) Acetone	2.386	43	361327	294.924	ug/l	100
17) Carbon Disulfide	2.526	76	355879	41.917	ug/l	100
18) Methyl Acetate	2.715	43	249699	77.325	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	573793	62.763	ug/l	98
20) Methylene Chloride	2.800	84	190145	52.485	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	167974	50.706	ug/l	98
22) Diisopropyl ether	3.769	45	649158	58.297	ug/l	96
23) Vinyl Acetate	3.727	43	2500248	299.702	ug/l	99
24) 1,1-Dichloroethane	3.623	63	341985	53.850	ug/l	99
25) 2-Butanone	4.556	43	555541	339.868	ug/l	99
26) 2,2-Dichloropropane	4.483	77	269784	57.081	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	215597	53.305	ug/l	98
28) Bromochloromethane	4.903	49	162990	52.003	ug/l	96
29) Tetrahydrofuran	5.007	42	357784	343.369	ug/l	98
30) Chloroform	5.098	83	353090	54.421	ug/l	98
31) Cyclohexane	5.476	56	275627	48.888	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	295296	54.477	ug/l	99
36) 1,1-Dichloropropene	5.702	75	228659	50.018	ug/l	100
37) Ethyl Acetate	4.714	43	229448	58.928	ug/l	100
38) Carbon Tetrachloride	5.684	117	253764	52.505	ug/l	99
39) Methylcyclohexane	7.385	83	275451	48.168	ug/l	99
40) Benzene	6.043	78	707337	51.155	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	136262	65.603	ug/l	98
42) 1,2-Dichloroethane	6.086	62	255117	54.334	ug/l	98
43) Isopropyl Acetate	6.342	43	389961	65.387	ug/l	100
44) Trichloroethene	7.129	130	178562	49.609	ug/l	99
45) 1,2-Dichloropropane	7.433	63	186702	53.443	ug/l	100
46) Dibromomethane	7.580	93	129355	53.441	ug/l	99
47) Bromodichloromethane	7.824	83	278048	53.798	ug/l	97
48) Methyl methacrylate	7.696	41	204045	66.260	ug/l	97
49) 1,4-Dioxane	7.659	88	50379	1411.910	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	1173684	333.458	ug/l	99
52) Toluene	8.720	92	441353	51.509	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	268222	58.150	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	297348	56.477	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	176972	55.451	ug/l	98
56) Ethyl methacrylate	9.116	69	281832	63.802	ug/l	98
57) 1,3-Dichloropropane	9.305	76	300488	54.679	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	781053	313.811	ug/l	100
59) 2-Hexanone	9.427	43	810255	347.058	ug/l	99
60) Dibromochloromethane	9.518	129	209424	54.831	ug/l	98
61) 1,2-Dibromoethane	9.610	107	177904	55.503	ug/l	99
64) Tetrachloroethene	9.275	164	141010	47.747	ug/l	98
65) Chlorobenzene	10.079	112	499325	52.067	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	176346	54.701	ug/l	99
67) Ethyl Benzene	10.189	91	871908	53.090	ug/l	99
68) m/p-Xylenes	10.299	106	650006	105.033	ug/l	99
69) o-Xylene	10.640	106	317971	53.191	ug/l	99
70) Styrene	10.652	104	554502	54.216	ug/l	98
71) Bromoform	10.799	173	134923	56.287	ug/l	100
73) Isopropylbenzene	10.957	105	842977	55.052	ug/l	100
74) N-amyl acetate	10.841	43	351295	67.514	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	249784	59.324	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	209071m	62.119	ug/l	
77) Bromobenzene	11.195	156	206399	54.115	ug/l	97
78) n-propylbenzene	11.299	91	998163	54.061	ug/l	100
79) 2-Chlorotoluene	11.360	91	587745	53.911	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	691213	55.555	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	78932	62.934	ug/l	99
82) 4-Chlorotoluene	11.451	91	690973	54.922	ug/l	100
83) tert-Butylbenzene	11.713	119	712515	55.447	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	690267	54.888	ug/l	95
85) sec-Butylbenzene	11.890	105	882170	54.448	ug/l	100
86) p-Isopropyltoluene	12.006	119	734892	54.164	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	380859	53.393	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	380835	51.299	ug/l	99
89) n-Butylbenzene	12.329	91	683574	53.620	ug/l	100
90) Hexachloroethane	12.536	117	128960	53.616	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	367044	53.099	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	49161	66.756	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	255734	54.458	ug/l	100
94) Hexachlorobutadiene	13.719	225	91363	51.589	ug/l	99
95) Naphthalene	13.774	128	778201	62.888	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	245654	55.364	ug/l	97

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

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