

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082525\
 Data File : VX047511.D
 Acq On : 25 Aug 2025 10:14
 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 08/26/2025
 Supervised By : Mahesh Dadoda 08/26/2025

Quant Time: Aug 26 00:34:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	225340	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	383910	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	348301	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	169040	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	159870	50.693	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.380%			
35) Dibromofluoromethane	5.391	113	127874	51.322	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.640%			
50) Toluene-d8	8.647	98	447425	50.240	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.480%			
62) 4-Bromofluorobenzene	11.079	95	168309	51.214	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.420%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	133434	46.451	ug/l	100
3) Chloromethane	1.307	50	113236	43.820	ug/l	95
4) Vinyl Chloride	1.392	62	149781	46.179	ug/l	98
5) Bromomethane	1.618	94	68488	52.277	ug/l	97
6) Chloroethane	1.703	64	88968	44.832	ug/l	96
7) Trichlorofluoromethane	1.904	101	222992	46.480	ug/l	99
8) Diethyl Ether	2.148	74	86030	50.926	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.343	101	137019	49.234	ug/l	99
10) Methyl Iodide	2.465	142	177169	37.148	ug/l	98
11) Tert butyl alcohol	2.959	59	89365	325.728	ug/l	99
12) 1,1-Dichloroethene	2.331	96	135701	47.829	ug/l	100
13) Acrolein	2.246	56	194221	335.355	ug/l	99
14) Allyl chloride	2.678	41	253414	51.425	ug/l	97
15) Acrylonitrile	3.081	53	371660	280.344	ug/l	100
16) Acetone	2.392	43	343816	290.038	ug/l	100
17) Carbon Disulfide	2.526	76	373958	43.679	ug/l	99
18) Methyl Acetate	2.709	43	191155	62.227	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	463572	53.708	ug/l	99
20) Methylene Chloride	2.800	84	155047	49.394	ug/l	100
21) trans-1,2-Dichloroethene	3.105	96	143447	47.636	ug/l	97
22) Diisopropyl ether	3.770	45	519398	53.322	ug/l	98
23) Vinyl Acetate	3.727	43	2129205	266.684	ug/l	100
24) 1,1-Dichloroethane	3.617	63	279842	50.827	ug/l	99
25) 2-Butanone	4.562	43	471300	303.572	ug/l	98
26) 2,2-Dichloropropane	4.483	77	214266	51.561	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	174400	49.724	ug/l	99
28) Bromochloromethane	4.904	49	123248	53.794	ug/l	99
29) Tetrahydrofuran	5.013	42	286035	285.051	ug/l	99
30) Chloroform	5.099	83	285526	50.814	ug/l	100
31) Cyclohexane	5.477	56	229630	45.244	ug/l	95
32) 1,1,1-Trichloroethane	5.391	97	239445	49.508	ug/l	99
36) 1,1-Dichloropropene	5.696	75	187385	47.642	ug/l	99
37) Ethyl Acetate	4.721	43	194816	47.711	ug/l #	96
38) Carbon Tetrachloride	5.678	117	208682	48.552	ug/l	98
39) Methylcyclohexane	7.385	83	226307	46.128	ug/l	95
40) Benzene	6.044	78	587089	49.868	ug/l	99

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41) Methacrylonitrile	4.934	41	97641	56.706	ug/l	97
42) 1,2-Dichloroethane	6.092	62	211685	50.763	ug/l	99
43) Isopropyl Acetate	6.342	43	318057	54.221	ug/l	99
44) Trichloroethene	7.129	130	146855	48.717	ug/l	100
45) 1,2-Dichloropropane	7.428	63	151288	51.296	ug/l	98
46) Dibromomethane	7.580	93	108662	50.748	ug/l	99
47) Bromodichloromethane	7.818	83	230552	51.939	ug/l	98
48) Methyl methacrylate	7.690	41	165395	54.320	ug/l	99
49) 1,4-Dioxane	7.671	88	41098	1388.469	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	949886	281.396	ug/l	98
52) Toluene	8.714	92	364755	50.140	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	214161	55.280	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	233542	53.259	ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	143869	52.088	ug/l	98
56) Ethyl methacrylate	9.116	69	222885	54.733	ug/l	99
57) 1,3-Dichloropropane	9.305	76	246424	52.358	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	478357	246.134	ug/l	99
59) 2-Hexanone	9.427	43	659390	282.395	ug/l	100
60) Dibromochloromethane	9.519	129	174144	53.053	ug/l	98
61) 1,2-Dibromoethane	9.610	107	148250	52.050	ug/l	99
64) Tetrachloroethene	9.275	164	117377	46.591	ug/l	97
65) Chlorobenzene	10.080	112	403154	48.708	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	142376	50.885	ug/l	99
67) Ethyl Benzene	10.189	91	694490	48.750	ug/l	99
68) m/p-Xylenes	10.299	106	520400	97.968	ug/l	98
69) o-Xylene	10.640	106	255708	50.022	ug/l	99
70) Styrene	10.653	104	447574	51.818	ug/l	100
71) Bromoform	10.799	173	113790	54.134	ug/l #	100
73) Isopropylbenzene	10.957	105	668401	50.529	ug/l	100
74) N-amyl acetate	10.842	43	277462	55.235	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	205097	52.808	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	166267m	53.628	ug/l	
77) Bromobenzene	11.195	156	163106	50.494	ug/l	99
78) n-propylbenzene	11.305	91	794308	50.277	ug/l	99
79) 2-Chlorotoluene	11.360	91	470478	49.263	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	549200	50.459	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	32889	46.723	ug/l	99
82) 4-Chlorotoluene	11.451	91	556677	49.448	ug/l	99
83) tert-Butylbenzene	11.713	119	560212	51.591	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	560489	51.496	ug/l	100
85) sec-Butylbenzene	11.890	105	687118	51.053	ug/l	100
86) p-Isopropyltoluene	12.006	119	576167	50.590	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	305907	49.572	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	310157	48.868	ug/l	100
89) n-Butylbenzene	12.329	91	538893	50.872	ug/l	100
90) Hexachloroethane	12.536	117	103526	51.815	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	296193	50.568	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	41383	55.096	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	200034	50.943	ug/l	98
94) Hexachlorobutadiene	13.725	225	67313	48.160	ug/l	97
95) Naphthalene	13.774	128	610778	54.430	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	189278	51.138	ug/l	99

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

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