

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
 Data File : VX046775.D
 Acq On : 19 Jun 2025 17:10
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/20/2025
 Supervised By : Mahesh Dadoda 06/21/2025

Quant Time: Jun 20 05:22:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	129409	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	216626	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	190720	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	95668	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	83815	46.825	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.660%		
35) Dibromofluoromethane	5.397	113	69249	48.316	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.640%		
50) Toluene-d8	8.647	98	246552	47.880	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.760%		
62) 4-Bromofluorobenzene	11.079	95	93266	48.588	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.180%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.179	85	74095	53.629	ug/l	99
3) Chloromethane	1.307	50	77768	52.149	ug/l	96
4) Vinyl Chloride	1.386	62	85590	53.822	ug/l	98
5) Bromomethane	1.618	94	49377	55.188	ug/l	95
6) Chloroethane	1.703	64	53474	55.480	ug/l	94
7) Trichlorofluoromethane	1.904	101	127152	52.659	ug/l	99
8) Diethyl Ether	2.148	74	44616	53.840	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.349	101	79479	53.654	ug/l	98
10) Methyl Iodide	2.465	142	85230	46.314	ug/l	100
11) Tert butyl alcohol	2.959	59	35007	217.898	ug/l	100
12) 1,1-Dichloroethene	2.337	96	76619	53.603	ug/l	98
13) Acrolein	2.245	56	69969	298.999	ug/l	98
14) Allyl chloride	2.678	41	137304	53.017	ug/l	98
15) Acrylonitrile	3.075	53	185932	257.376	ug/l	99
16) Acetone	2.386	43	144349	241.828	ug/l	97
17) Carbon Disulfide	2.526	76	205491	47.607	ug/l	99
18) Methyl Acetate	2.715	43	78667	51.889	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	225140	50.585	ug/l	100
20) Methylene Chloride	2.800	84	83440	50.266	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	79204	51.786	ug/l	99
22) Diisopropyl ether	3.770	45	270205	54.281	ug/l	98
23) Vinyl Acetate	3.733	43	1055978	266.763	ug/l	99
24) 1,1-Dichloroethane	3.623	63	148012	52.369	ug/l	99
25) 2-Butanone	4.562	43	216354	256.282	ug/l	97
26) 2,2-Dichloropropane	4.489	77	106712	51.768	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	94359	52.513	ug/l	99
28) Bromochloromethane	4.910	49	66329	51.765	ug/l	99
29) Tetrahydrofuran	5.007	42	139493	255.819	ug/l	99
30) Chloroform	5.105	83	149506	52.894	ug/l	95
31) Cyclohexane	5.477	56	137290	51.222	ug/l	94
32) 1,1,1-Trichloroethane	5.397	97	125889	50.784	ug/l	99
36) 1,1-Dichloropropene	5.702	75	105895	51.182	ug/l	100
37) Ethyl Acetate	4.721	43	92088	48.219	ug/l	98
38) Carbon Tetrachloride	5.690	117	111211	49.529	ug/l	99
39) Methylcyclohexane	7.385	83	139618	51.281	ug/l	99
40) Benzene	6.050	78	318931	52.086	ug/l	100

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41) Methacrylonitrile	4.928	41	55058	54.078	ug/l	95
42) 1,2-Dichloroethane	6.092	62	109435	50.860	ug/l	98
43) Isopropyl Acetate	6.342	43	151380	50.655	ug/l	100
44) Trichloroethene	7.135	130	79977	51.252	ug/l	97
45) 1,2-Dichloropropane	7.434	63	78602	51.797	ug/l	94
46) Dibromomethane	7.586	93	54750	50.201	ug/l	99
47) Bromodichloromethane	7.824	83	114561	51.475	ug/l	99
48) Methyl methacrylate	7.696	41	80176	53.494	ug/l	99
49) 1,4-Dioxane	7.665	88	19434	894.415	ug/l	94
51) 4-Methyl-2-Pentanone	8.574	43	453562	254.472	ug/l	99
52) Toluene	8.720	92	195403	51.477	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	106195	51.427	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	122494	52.254	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	73528	51.978	ug/l	95
56) Ethyl methacrylate	9.116	69	109987	52.671	ug/l	99
57) 1,3-Dichloropropane	9.305	76	125247	51.414	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	321699	296.571	ug/l	100
59) 2-Hexanone	9.427	43	310545	252.021	ug/l	100
60) Dibromochloromethane	9.519	129	85854	51.500	ug/l	99
61) 1,2-Dibromoethane	9.610	107	73504	51.083	ug/l	99
64) Tetrachloroethene	9.275	164	66307	50.181	ug/l	97
65) Chlorobenzene	10.079	112	216318	51.382	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	72835	51.476	ug/l	99
67) Ethyl Benzene	10.195	91	380469	51.722	ug/l	99
68) m/p-Xylenes	10.299	106	284342	103.739	ug/l	99
69) o-Xylene	10.640	106	136531	53.151	ug/l	98
70) Styrene	10.653	104	238877	53.139	ug/l	99
71) Bromoform	10.799	173	54055	50.164	ug/l #	100
73) Isopropylbenzene	10.963	105	364838	51.780	ug/l	100
74) N-amyl acetate	10.841	43	134737	50.472	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	100156	50.908	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	81274m	46.384	ug/l	
77) Bromobenzene	11.195	156	87850	51.813	ug/l	100
78) n-propylbenzene	11.305	91	432963	51.735	ug/l	99
79) 2-Chlorotoluene	11.360	91	249407	49.914	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	298594	51.570	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	29148	47.021	ug/l	100
82) 4-Chlorotoluene	11.451	91	293281	50.293	ug/l	100
83) tert-Butylbenzene	11.713	119	304194	50.825	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	302076	51.927	ug/l	98
85) sec-Butylbenzene	11.890	105	387895	51.281	ug/l	99
86) p-Isopropyltoluene	12.006	119	325914	51.067	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	162851	49.259	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	161313	47.505	ug/l	100
89) n-Butylbenzene	12.329	91	308844	50.967	ug/l	100
90) Hexachloroethane	12.536	117	54659	48.908	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	154918	50.145	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18542	47.738	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	109313	49.769	ug/l	98
94) Hexachlorobutadiene	13.725	225	45830	49.603	ug/l	99
95) Naphthalene	13.774	128	313462	50.093	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	105543	50.228	ug/l	99

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

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