

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062025\
 Data File : VX046802.D
 Acq On : 20 Jun 2025 22:08
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/23/2025
 Supervised By : Mahesh Dadoda 06/23/2025

Quant Time: Jun 21 00:16:35 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	128496	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	213155	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	191599	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	96037	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	89262	50.223	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.440%			
35) Dibromofluoromethane	5.397	113	75274	53.374	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.740%			
50) Toluene-d8	8.647	98	266958	52.687	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.380%			
62) 4-Bromofluorobenzene	11.079	95	101361	53.665	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.340%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	67499	49.202	ug/l	97
3) Chloromethane	1.306	50	70571	47.659	ug/l	97
4) Vinyl Chloride	1.386	62	77297	48.952	ug/l	98
5) Bromomethane	1.623	94	46611	52.467	ug/l	99
6) Chloroethane	1.703	64	47580	49.716	ug/l	99
7) Trichlorofluoromethane	1.904	101	116381	48.541	ug/l	99
8) Diethyl Ether	2.148	74	39969	48.575	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.349	101	72455	49.260	ug/l	97
10) Methyl Iodide	2.471	142	83971	45.987	ug/l	98
11) Tert butyl alcohol	2.953	59	23684	148.466	ug/l	100
12) 1,1-Dichloroethene	2.337	96	70761	49.856	ug/l	99
13) Acrolein	2.245	56	66193	284.873	ug/l	98
14) Allyl chloride	2.678	41	122581	47.668	ug/l	97
15) Acrylonitrile	3.074	53	154380	215.218	ug/l	99
16) Acetone	2.386	43	110781	186.910	ug/l	99
17) Carbon Disulfide	2.532	76	191942	44.784	ug/l	99
18) Methyl Acetate	2.715	43	64729	42.999	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	195799	44.305	ug/l	100
20) Methylene Chloride	2.806	84	77986	47.314	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	73420	48.345	ug/l	98
22) Diisopropyl ether	3.769	45	246842	49.940	ug/l	96
23) Vinyl Acetate	3.733	43	916360	233.138	ug/l	100
24) 1,1-Dichloroethane	3.623	63	136005	48.463	ug/l	99
25) 2-Butanone	4.562	43	170945m	203.931	ug/l	
26) 2,2-Dichloropropane	4.495	77	86870	42.441	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	87373	48.970	ug/l	98
28) Bromochloromethane	4.909	49	65139	51.198	ug/l	99
29) Tetrahydrofuran	5.013	42	109967	203.104	ug/l	99
30) Chloroform	5.105	83	138175	49.233	ug/l	97
31) Cyclohexane	5.483	56	127367	47.858	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	114677	46.590	ug/l	99
36) 1,1-Dichloropropene	5.702	75	96560	47.430	ug/l	99
37) Ethyl Acetate	4.720	43	74719	39.762	ug/l	98
38) Carbon Tetrachloride	5.690	117	102488	46.388	ug/l	99
39) Methylcyclohexane	7.385	83	125581	46.876	ug/l	97
40) Benzene	6.050	78	294869	48.941	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	46016	45.933	ug/l	95
42) 1,2-Dichloroethane	6.098	62	99432	46.963	ug/l	99
43) Isopropyl Acetate	6.342	43	124465	42.327	ug/l	100
44) Trichloroethene	7.129	130	74426	48.472	ug/l	97
45) 1,2-Dichloropropane	7.433	63	72802	48.756	ug/l	96
46) Dibromomethane	7.586	93	50820	47.357	ug/l	99
47) Bromodichloromethane	7.824	83	106464	48.615	ug/l	97
48) Methyl methacrylate	7.696	41	65291	44.272	ug/l	98
49) 1,4-Dioxane	7.659	88	13881	656.980	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	363297	207.148	ug/l	99
52) Toluene	8.720	92	183112	49.024	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	95669	47.084	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	109175	47.331	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	66838	48.018	ug/l	99
56) Ethyl methacrylate	9.116	69	92884	45.205	ug/l	99
57) 1,3-Dichloropropane	9.305	76	113555	47.373	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	269513	252.507	ug/l	100
59) 2-Hexanone	9.427	43	244004	201.245	ug/l	99
60) Dibromochloromethane	9.518	129	78341	47.759	ug/l	99
61) 1,2-Dibromoethane	9.610	107	66175	46.738	ug/l	99
64) Tetrachloroethene	9.275	164	60836	45.830	ug/l	99
65) Chlorobenzene	10.079	112	200384	47.378	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	67174	47.257	ug/l	99
67) Ethyl Benzene	10.195	91	349396	47.280	ug/l	99
68) m/p-Xylenes	10.299	106	263264	95.608	ug/l	99
69) o-Xylene	10.640	106	126192	48.901	ug/l	98
70) Styrene	10.652	104	218327	48.345	ug/l	99
71) Bromoform	10.799	173	48039	44.377	ug/l #	99
73) Isopropylbenzene	10.957	105	337194	47.673	ug/l	99
74) N-amyl acetate	10.841	43	113256	42.262	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	86444	43.770	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	70089m	39.847	ug/l	
77) Bromobenzene	11.195	156	80038	47.024	ug/l	97
78) n-propylbenzene	11.299	91	400226	47.639	ug/l	100
79) 2-Chlorotoluene	11.360	91	231562	46.165	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	276467	47.565	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	23975	38.527	ug/l	98
82) 4-Chlorotoluene	11.451	91	273472	46.716	ug/l	100
83) tert-Butylbenzene	11.713	119	282580	47.033	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	274895	47.073	ug/l	99
85) sec-Butylbenzene	11.890	105	358024	47.150	ug/l	99
86) p-Isopropyltoluene	12.006	119	300549	46.911	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	149517	45.052	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	151487	44.440	ug/l	99
89) n-Butylbenzene	12.329	91	283216	46.558	ug/l	99
90) Hexachloroethane	12.536	117	51227	45.661	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	143460	46.257	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	15011	38.499	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	99083	44.938	ug/l	99
94) Hexachlorobutadiene	13.719	225	41861	45.133	ug/l	97
95) Naphthalene	13.774	128	271772	43.264	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	96046	45.533	ug/l	98

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

