

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081825\
 Data File : VX047398.D
 Acq On : 18 Aug 2025 20:57
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/19/2025
 Supervised By : Mahesh Dadoda 08/20/2025

Quant Time: Aug 19 01:51:21 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	5.568	168	239104	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	409468	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	364979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	181876	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	169393	50.620	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.240%			
35) Dibromofluoromethane	5.404	113	134653	50.669	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.340%			
50) Toluene-d8	8.653	98	472396	49.733	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.460%			
62) 4-Bromofluorobenzene	11.079	95	177952	50.769	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.540%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	151457	49.690	ug/l	98
3) Chloromethane	1.313	50	134677	49.117	ug/l	95
4) Vinyl Chloride	1.392	62	161209	46.841	ug/l	98
5) Bromomethane	1.624	94	41982	30.200	ug/l	97
6) Chloroethane	1.703	64	100911	47.923	ug/l	100
7) Trichlorofluoromethane	1.904	101	242847	47.704	ug/l	100
8) Diethyl Ether	2.148	74	85280	47.576	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.349	101	144462	48.921	ug/l	99
10) Methyl Iodide	2.471	142	139225	27.512	ug/l	97
11) Tert butyl alcohol	2.965	59	82261	282.575	ug/l	100
12) 1,1-Dichloroethene	2.337	96	141611	47.039	ug/l	95
13) Acrolein	2.252	56	8966	14.590	ug/l	92
14) Allyl chloride	2.684	41	217448	41.586	ug/l	98
15) Acrylonitrile	3.081	53	363973	258.742	ug/l	99
16) Acetone	2.392	43	299617	238.203	ug/l	99
17) Carbon Disulfide	2.532	76	425517	46.840	ug/l	98
18) Methyl Acetate	2.715	43	176982	54.297	ug/l	100
19) Methyl tert-butyl Ether	3.130	73	453492	49.516	ug/l	97
20) Methylene Chloride	2.806	84	157641	47.329	ug/l	98
21) trans-1,2-Dichloroethene	3.111	96	149432	46.767	ug/l	97
22) Diisopropyl ether	3.776	45	511346	49.473	ug/l	96
23) Vinyl Acetate	3.739	43	2084668	246.075	ug/l	99
24) 1,1-Dichloroethane	3.629	63	280167	47.957	ug/l	99
25) 2-Butanone	4.568	43	436669	265.075	ug/l	99
26) 2,2-Dichloropropane	4.495	77	175530	39.808	ug/l	97
27) cis-1,2-Dichloroethene	4.501	96	175340	47.114	ug/l	98
28) Bromochloromethane	4.910	49	118660	48.810	ug/l	100
29) Tetrahydrofuran	5.026	42	283761	266.507	ug/l	98
30) Chloroform	5.111	83	286078	47.982	ug/l	97
31) Cyclohexane	5.489	56	254659	47.287	ug/l	97
32) 1,1,1-Trichloroethane	5.397	97	245866	47.909	ug/l	99
36) 1,1-Dichloropropene	5.708	75	199797	47.627	ug/l	99
37) Ethyl Acetate	4.727	43	210513	48.337	ug/l	99
38) Carbon Tetrachloride	5.696	117	215992	47.116	ug/l	99
39) Methylcyclohexane	7.391	83	247122	47.227	ug/l	95
40) Benzene	6.050	78	598209	47.641	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	91908	50.045	ug/l	95
42) 1,2-Dichloroethane	6.098	62	211887	47.640	ug/l	100
43) Isopropyl Acetate	6.348	43	317114	50.686	ug/l	100
44) Trichloroethene	7.135	130	151205	47.029	ug/l	99
45) 1,2-Dichloropropane	7.434	63	149932	47.663	ug/l	98
46) Dibromomethane	7.586	93	108086	47.328	ug/l	99
47) Bromodichloromethane	7.824	83	224833	47.489	ug/l	99
48) Methyl methacrylate	7.696	41	163233	50.264	ug/l	98
49) 1,4-Dioxane	7.684	88	33800	1070.636	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	957168	265.854	ug/l	98
52) Toluene	8.720	92	371391	47.866	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	200913	48.624	ug/l	98
54) cis-1,3-Dichloropropene	8.372	75	218646	46.750	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	141129	47.906	ug/l	99
56) Ethyl methacrylate	9.116	69	221781	51.063	ug/l	99
57) 1,3-Dichloropropane	9.311	76	241320	48.073	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	531511	256.065	ug/l	100
59) 2-Hexanone	9.433	43	663645	266.477	ug/l	99
60) Dibromochloromethane	9.519	129	167507	47.846	ug/l	100
61) 1,2-Dibromoethane	9.610	107	147057	48.409	ug/l	98
64) Tetrachloroethene	9.275	164	127728	48.383	ug/l	97
65) Chlorobenzene	10.079	112	407823	47.020	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	141328	48.203	ug/l	100
67) Ethyl Benzene	10.195	91	721774	48.350	ug/l	98
68) m/p-Xylenes	10.299	106	543135	97.575	ug/l	100
69) o-Xylene	10.640	106	260931	48.711	ug/l	99
70) Styrene	10.653	104	443043	48.950	ug/l	99
71) Bromoform	10.799	173	109693	49.800	ug/l #	100
73) Isopropylbenzene	10.963	105	685100	48.136	ug/l	99
74) N-amyl acetate	10.842	43	283144	52.388	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	203458	48.688	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	162792m	48.801	ug/l	
77) Bromobenzene	11.195	156	162609	46.788	ug/l	99
78) n-propylbenzene	11.305	91	815287	47.963	ug/l	100
79) 2-Chlorotoluene	11.360	91	483943	47.097	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	559007	47.736	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	32344	43.382	ug/l	99
82) 4-Chlorotoluene	11.451	91	564800	46.629	ug/l	99
83) tert-Butylbenzene	11.713	119	559489	47.888	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	565346	48.276	ug/l	100
85) sec-Butylbenzene	11.890	105	706315	48.776	ug/l	100
86) p-Isopropyltoluene	12.006	119	588746	48.046	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	307335	46.289	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	308887	45.233	ug/l	99
89) n-Butylbenzene	12.329	91	548981	48.167	ug/l	100
90) Hexachloroethane	12.536	117	104319	48.527	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	291404	46.240	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	41583	51.455	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	199368	47.190	ug/l	97
94) Hexachlorobutadiene	13.719	225	69851	46.449	ug/l	100
95) Naphthalene	13.774	128	614882	50.928	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	188409	47.311	ug/l	99

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

