

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
 Data File : VX047795.D
 Acq On : 25 Sep 2025 08:56
 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 09/26/2025
 Supervised By : Mahesh Dadoda 09/29/2025

Quant Time: Sep 26 01:20:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.532	168	136107	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	245940	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	220262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	107538	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	111151	51.305	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.600%			
35) Dibromofluoromethane	5.367	113	86395	52.379	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.760%			
50) Toluene-d8	8.629	98	290687	50.933	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.860%			
62) 4-Bromofluorobenzene	11.061	95	108988	50.317	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.640%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	85355	60.561	ug/l	98
3) Chloromethane	1.301	50	107444	58.004	ug/l	100
4) Vinyl Chloride	1.380	62	105978	58.447	ug/l	99
5) Bromomethane	1.611	94	64102	55.750	ug/l	100
6) Chloroethane	1.691	64	67339	55.564	ug/l	99
7) Trichlorofluoromethane	1.892	101	147449	54.767	ug/l	100
8) Diethyl Ether	2.136	74	61356	55.711	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	84112	53.429	ug/l	99
10) Methyl Iodide	2.453	142	131184	53.431	ug/l	99
11) Tert butyl alcohol	2.941	59	67880	281.323	ug/l	99
12) 1,1-Dichloroethene	2.319	96	90179	55.766	ug/l	99
13) Acrolein	2.233	56	64908	291.917	ug/l	99
14) Allyl chloride	2.660	41	163527	49.005	ug/l	96
15) Acrylonitrile	3.056	53	281907	315.422	ug/l	98
16) Acetone	2.374	43	228516	242.588	ug/l	96
17) Carbon Disulfide	2.514	76	240263	54.273	ug/l	99
18) Methyl Acetate	2.697	43	134060	63.948	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	328607	55.667	ug/l	97
20) Methylene Chloride	2.788	84	111197	55.767	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	95656	54.943	ug/l	97
22) Diisopropyl ether	3.745	45	356628	55.145	ug/l #	84
23) Vinyl Acetate	3.709	43	1440799	278.368	ug/l	99
24) 1,1-Dichloroethane	3.599	63	186425	54.236	ug/l	99
25) 2-Butanone	4.538	43	337440	287.179	ug/l	96
26) 2,2-Dichloropropane	4.459	77	73225	25.628	ug/l	93
27) cis-1,2-Dichloroethene	4.471	96	116288	54.540	ug/l	93
28) Bromochloromethane	4.879	49	84484	56.300	ug/l	99
29) Tetrahydrofuran	4.983	42	217295	307.408	ug/l	99
30) Chloroform	5.074	83	193461	55.697	ug/l	98
31) Cyclohexane	5.452	56	143723	50.203	ug/l	98
32) 1,1,1-Trichloroethane	5.367	97	155394	52.743	ug/l	100
36) 1,1-Dichloropropene	5.672	75	119329	49.510	ug/l	98
37) Ethyl Acetate	4.690	43	144473	55.984	ug/l	98
38) Carbon Tetrachloride	5.660	117	132383	50.553	ug/l	95
39) Methylcyclohexane	7.360	83	130264	47.613	ug/l	98
40) Benzene	6.019	78	393020	53.689	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	77739	58.352	ug/l	99
42) 1,2-Dichloroethane	6.068	62	146101	52.455	ug/l	98
43) Isopropyl Acetate	6.318	43	231987	54.813	ug/l	99
44) Trichloroethene	7.104	130	93408	52.779	ug/l	97
45) 1,2-Dichloropropane	7.409	63	102723	54.802	ug/l	99
46) Dibromomethane	7.562	93	73128	53.611	ug/l	95
47) Bromodichloromethane	7.806	83	150738	53.552	ug/l	99
48) Methyl methacrylate	7.677	41	117391	55.683	ug/l	98
49) 1,4-Dioxane	7.641	88	28456	1335.620	ug/l	99
51) 4-Methyl-2-Pentanone	8.555	43	695695	296.468	ug/l	100
52) Toluene	8.702	92	236487	52.436	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	133747	46.584	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	147846	48.178	ug/l	98
55) 1,1,2-Trichloroethane	9.135	97	95832	55.106	ug/l	99
56) Ethyl methacrylate	9.098	69	153461	56.190	ug/l	97
57) 1,3-Dichloropropane	9.293	76	166700	55.801	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	397473	300.637	ug/l	100
59) 2-Hexanone	9.415	43	481760	285.853	ug/l	98
60) Dibromochloromethane	9.506	129	110503	55.147	ug/l	99
61) 1,2-Dibromoethane	9.592	107	100623	56.807	ug/l	99
64) Tetrachloroethene	9.256	164	77730	54.134	ug/l	97
65) Chlorobenzene	10.061	112	262625	52.484	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	91037	52.723	ug/l	99
67) Ethyl Benzene	10.177	91	443118	51.323	ug/l	100
68) m/p-Xylenes	10.287	106	333476	103.770	ug/l	98
69) o-Xylene	10.622	106	162415	52.252	ug/l	97
70) Styrene	10.640	104	286982	52.692	ug/l	98
71) Bromoform	10.781	173	70044	54.326	ug/l #	98
73) Isopropylbenzene	10.945	105	411651	50.350	ug/l	100
74) N-amyl acetate	10.823	43	197362	52.937	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	136864	55.331	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	108147m	49.670	ug/l	
77) Bromobenzene	11.177	156	104192	51.743	ug/l	96
78) n-propylbenzene	11.287	91	479655	49.629	ug/l	100
79) 2-Chlorotoluene	11.348	91	295615	49.940	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	335426	49.936	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	34506	40.415	ug/l	99
82) 4-Chlorotoluene	11.439	91	346198	49.519	ug/l	99
83) tert-Butylbenzene	11.695	119	328139	47.721	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	342751	50.330	ug/l	99
85) sec-Butylbenzene	11.872	105	399335	48.893	ug/l	99
86) p-Isopropyltoluene	11.988	119	336196	48.621	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	187962	50.255	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	188229	49.035	ug/l	99
89) n-Butylbenzene	12.311	91	299204	46.765	ug/l	99
90) Hexachloroethane	12.518	117	60775	50.062	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	181599	50.965	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	26900	53.714	ug/l	95
93) 1,2,4-Trichlorobenzene	13.567	180	111739	48.251	ug/l	98
94) Hexachlorobutadiene	13.701	225	36360	46.224	ug/l	97
95) Naphthalene	13.756	128	369424	52.388	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	109206	50.695	ug/l	99

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

