

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX073025\
 Data File : VX047179.D
 Acq On : 30 Jul 2025 09:14
 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 07/31/2025
 Supervised By : Mahesh Dadoda 07/31/2025

Quant Time: Jul 31 03:12:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	284486	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	498230	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	431603	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	200484	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	194686	54.937	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.880%			
35) Dibromofluoromethane	5.391	113	167375	54.409	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.820%			
50) Toluene-d8	8.647	98	498746	50.063	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.120%			
62) 4-Bromofluorobenzene	11.079	95	220154	51.280	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.560%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	200111	52.958	ug/l	97
3) Chloromethane	1.313	50	174323	46.638	ug/l	98
4) Vinyl Chloride	1.392	62	214724	53.441	ug/l	97
5) Bromomethane	1.630	94	100854	46.208	ug/l	97
6) Chloroethane	1.703	64	123550	46.818	ug/l	99
7) Trichlorofluoromethane	1.904	101	310898	51.891	ug/l	94
8) Diethyl Ether	2.142	74	109386	51.781	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.343	101	178836	49.544	ug/l	99
10) Methyl Iodide	2.471	142	263791	71.705	ug/l	98
11) Tert butyl alcohol	2.953	59	104930	253.432	ug/l	98
12) 1,1-Dichloroethene	2.337	96	181234	50.692	ug/l	97
13) Acrolein	2.245	56	163997	214.925	ug/l	99
14) Allyl chloride	2.678	41	279986	43.324	ug/l	96
15) Acrylonitrile	3.075	53	440137	260.415	ug/l	99
16) Acetone	2.386	43	387042	272.631	ug/l	99
17) Carbon Disulfide	2.526	76	480452	46.453	ug/l	99
18) Methyl Acetate	2.709	43	223455	59.230	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	578403	53.159	ug/l	99
20) Methylene Chloride	2.800	84	194681	49.847	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	180767	49.410	ug/l	96
22) Diisopropyl ether	3.763	45	649628	52.284	ug/l	99
23) Vinyl Acetate	3.727	43	2588039	259.695	ug/l	99
24) 1,1-Dichloroethane	3.617	63	350802	50.773	ug/l	99
25) 2-Butanone	4.556	43	522409	252.721	ug/l	100
26) 2,2-Dichloropropane	4.483	77	121207	22.662	ug/l	92
27) cis-1,2-Dichloroethene	4.495	96	213056	49.179	ug/l	95
28) Bromochloromethane	4.903	49	178465	56.144	ug/l	100
29) Tetrahydrofuran	5.013	42	326788	245.015	ug/l	98
30) Chloroform	5.099	83	349187	49.649	ug/l	98
31) Cyclohexane	5.477	56	308190	46.520	ug/l	97
32) 1,1,1-Trichloroethane	5.391	97	303825	49.735	ug/l	99
36) 1,1-Dichloropropene	5.696	75	239295	45.635	ug/l	99
37) Ethyl Acetate	4.714	43	240826	49.841	ug/l	99
38) Carbon Tetrachloride	5.684	117	267249	47.751	ug/l	99
39) Methylcyclohexane	7.379	83	286647	43.783	ug/l	99
40) Benzene	6.043	78	715734	47.164	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	119486	47.295	ug/l #	94
42) 1,2-Dichloroethane	6.086	62	255921	47.875	ug/l	99
43) Isopropyl Acetate	6.336	43	383592	50.924	ug/l	99
44) Trichloroethene	7.129	130	178870	45.965	ug/l	100
45) 1,2-Dichloropropane	7.427	63	179936	47.342	ug/l	99
46) Dibromomethane	7.580	93	128792	48.321	ug/l	100
47) Bromodichloromethane	7.818	83	273391	48.190	ug/l	98
48) Methyl methacrylate	7.690	41	195927	47.745	ug/l	100
49) 1,4-Dioxane	7.720	88	47915	1026.617	ug/l #	91
51) 4-Methyl-2-Pentanone	8.567	43	1081242	241.492	ug/l	100
52) Toluene	8.714	92	437026	46.836	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	228261	42.608	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	248613	42.401	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	165025	47.159	ug/l	98
56) Ethyl methacrylate	9.116	69	260917	50.365	ug/l	99
57) 1,3-Dichloropropane	9.305	76	283684	46.645	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	694114	240.779	ug/l	99
59) 2-Hexanone	9.427	43	736788	249.075	ug/l	100
60) Dibromochloromethane	9.518	129	201048	48.987	ug/l	100
61) 1,2-Dibromoethane	9.604	107	169478	46.318	ug/l	99
64) Tetrachloroethene	9.269	164	144282	46.372	ug/l	93
65) Chlorobenzene	10.073	112	473446	46.825	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	166141	48.805	ug/l	98
67) Ethyl Benzene	10.189	91	830589	46.983	ug/l	100
68) m/p-Xylenes	10.299	106	620604	93.807	ug/l	99
69) o-Xylene	10.640	106	300344	47.722	ug/l	100
70) Styrene	10.652	104	516250	47.836	ug/l	99
71) Bromoform	10.799	173	129072	49.914	ug/l #	99
73) Isopropylbenzene	10.957	105	791438	50.037	ug/l	100
74) N-amyl acetate	10.841	43	324309	50.817	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	228063	50.478	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	182817m	49.265	ug/l	
77) Bromobenzene	11.195	156	187075	49.311	ug/l	99
78) n-propylbenzene	11.299	91	925597	48.971	ug/l	99
79) 2-Chlorotoluene	11.360	91	550815	48.751	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	644226	49.301	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	42262	29.342	ug/l	98
82) 4-Chlorotoluene	11.451	91	644589	48.878	ug/l	100
83) tert-Butylbenzene	11.713	119	664590	50.672	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	646941	49.636	ug/l	99
85) sec-Butylbenzene	11.890	105	807089	49.251	ug/l	100
86) p-Isopropyltoluene	12.006	119	665750	48.990	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	349759	48.521	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	342727	46.929	ug/l	98
89) n-Butylbenzene	12.329	91	614268	48.200	ug/l	99
90) Hexachloroethane	12.536	117	122115	50.230	ug/l	99
91) 1,2-Dichlorobenzene	12.329	146	331959	48.184	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	46519	53.640	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	219262	48.170	ug/l	99
94) Hexachlorobutadiene	13.719	225	74751	48.287	ug/l	97
95) Naphthalene	13.774	128	699197	52.397	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	215322	49.102	ug/l	99

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

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