

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
 Data File : VX047334.D
 Acq On : 13 Aug 2025 19:50
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 14 05:24:15 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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/14/2025
 Supervised By : Mahesh Dadoda 08/18/2025

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

Internal Standards						
1) Pentafluorobenzene	5.568	168	205236	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	362249	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	328856	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	162794	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	143603	56.170	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 112.340%			
35) Dibromofluoromethane	5.403	113	126007	56.338	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.680%			
50) Toluene-d8	8.653	98	350581	48.401	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.800%			
62) 4-Bromofluorobenzene	11.079	95	169988	54.458	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.920%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.184	85	134761	49.434	ug/l	97
3) Chloromethane	1.312	50	124400	46.133	ug/l	98
4) Vinyl Chloride	1.392	62	150084	51.777	ug/l	100
5) Bromomethane	1.623	94	59720	37.927	ug/l	94
6) Chloroethane	1.703	64	91875	48.258	ug/l	95
7) Trichlorofluoromethane	1.904	101	214893	49.717	ug/l	97
8) Diethyl Ether	2.148	74	84668	55.556	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.349	101	123887	47.574	ug/l	99
10) Methyl Iodide	2.471	142	204203	76.942	ug/l	100
11) Tert butyl alcohol	2.971	59	87953	296.193	ug/l	100
12) 1,1-Dichloroethene	2.337	96	130702	50.675	ug/l	99
13) Acrolein	2.251	56	131419	238.735	ug/l	100
14) Allyl chloride	2.684	41	227169	48.725	ug/l	99
15) Acrylonitrile	3.080	53	370745	304.062	ug/l	100
16) Acetone	2.392	43	295467	288.492	ug/l	99
17) Carbon Disulfide	2.532	76	357217	47.874	ug/l	100
18) Methyl Acetate	2.721	43	187953	69.057	ug/l	98
19) Methyl tert-butyl Ether	3.129	73	449689	57.288	ug/l	99
20) Methylene Chloride	2.806	84	155553	55.207	ug/l	98
21) trans-1,2-Dichloroethene	3.111	96	139920	53.013	ug/l	98
22) Diisopropyl ether	3.775	45	498100	55.568	ug/l	96
23) Vinyl Acetate	3.739	43	1952315	271.550	ug/l	100
24) 1,1-Dichloroethane	3.629	63	269276	54.022	ug/l	99
25) 2-Butanone	4.574	43	427466	286.642	ug/l	98
26) 2,2-Dichloropropane	4.495	77	119393	30.943	ug/l	97
27) cis-1,2-Dichloroethene	4.507	96	171179	54.770	ug/l	93
28) Bromochloromethane	4.915	49	130854	57.062	ug/l	98
29) Tetrahydrofuran	5.025	42	282886	293.999	ug/l	98
30) Chloroform	5.111	83	275564	54.310	ug/l	98
31) Cyclohexane	5.489	56	219791	45.987	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	228701	51.894	ug/l	99
36) 1,1-Dichloropropene	5.708	75	182035	47.746	ug/l	99
37) Ethyl Acetate	4.733	43	216655	61.671	ug/l	97
38) Carbon Tetrachloride	5.690	117	197096	48.436	ug/l	99
39) Methylcyclohexane	7.391	83	204641	42.990	ug/l	94
40) Benzene	6.049	78	576594	52.258	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	98648	53.704	ug/l	93
42) 1,2-Dichloroethane	6.098	62	211626	54.449	ug/l	99
43) Isopropyl Acetate	6.348	43	321876	58.771	ug/l	100
44) Trichloroethene	7.135	130	143842	50.839	ug/l	99
45) 1,2-Dichloropropane	7.439	63	148168	53.617	ug/l	97
46) Dibromomethane	7.586	93	109285	56.394	ug/l	99
47) Bromodichloromethane	7.824	83	221607	53.726	ug/l	96
48) Methyl methacrylate	7.695	41	166691	55.869	ug/l	99
49) 1,4-Dioxane	7.677	88	37215	1096.675	ug/l	99
51) 4-Methyl-2-Pentanone	8.573	43	971754	298.510	ug/l	99
52) Toluene	8.720	92	358851	52.894	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	190007	48.781	ug/l	98
54) cis-1,3-Dichloropropene	8.372	75	208919	49.007	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	143591	56.437	ug/l	98
56) Ethyl methacrylate	9.116	69	226969	60.258	ug/l	98
57) 1,3-Dichloropropane	9.311	76	241487	54.612	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	520399	248.283	ug/l	100
59) 2-Hexanone	9.433	43	682075	317.134	ug/l	100
60) Dibromochloromethane	9.524	129	166965	55.953	ug/l	99
61) 1,2-Dibromoethane	9.610	107	146279	54.984	ug/l	97
64) Tetrachloroethene	9.274	164	144828	61.091	ug/l	97
65) Chlorobenzene	10.079	112	398565	51.735	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	138574	53.426	ug/l	99
67) Ethyl Benzene	10.195	91	682645	50.679	ug/l	99
68) m/p-Xylenes	10.299	106	510341	101.242	ug/l	99
69) o-Xylene	10.640	106	250637	52.266	ug/l	99
70) Styrene	10.652	104	437969	53.262	ug/l	99
71) Bromoform	10.799	173	110290	55.976	ug/l #	99
73) Isopropylbenzene	10.963	105	638868	49.743	ug/l	100
74) N-amyl acetate	10.841	43	276966	53.447	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	204903	55.852	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	160522m	53.272	ug/l	
77) Bromobenzene	11.195	156	162977	52.905	ug/l	98
78) n-propylbenzene	11.305	91	759407	49.480	ug/l	100
79) 2-Chlorotoluene	11.366	91	464143	50.591	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	535382	50.457	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	23329	19.947	ug/l	98
82) 4-Chlorotoluene	11.451	91	547556	51.133	ug/l	99
83) tert-Butylbenzene	11.713	119	497590	46.723	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	541887	51.202	ug/l	100
85) sec-Butylbenzene	11.890	105	642655	48.296	ug/l	99
86) p-Isopropyltoluene	12.006	119	539743	48.913	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	300174	51.283	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	302162	50.953	ug/l	98
89) n-Butylbenzene	12.329	91	491481	47.494	ug/l	98
90) Hexachloroethane	12.536	117	94390	47.815	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	289391	51.730	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	41702	59.218	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	186188	50.374	ug/l	99
94) Hexachlorobutadiene	13.725	225	58740	46.730	ug/l	98
95) Naphthalene	13.774	128	624659	57.649	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	183699	51.589	ug/l	100

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

