

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
 Data File : VX047455.D
 Acq On : 21 Aug 2025 09:35
 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 08/22/2025
 Supervised By : Mahesh Dadoda 08/22/2025

Quant Time: Aug 22 03:38:28 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	5.556	168	229258	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	398048	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	349454	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	170891	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	161541	50.347	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.700%			
35) Dibromofluoromethane	5.391	113	126257	48.873	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.740%			
50) Toluene-d8	8.647	98	440017	47.654	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.300%			
62) 4-Bromofluorobenzene	11.079	95	167385	49.124	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.240%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	137054	46.896	ug/l	98
3) Chloromethane	1.313	50	118337	45.011	ug/l	100
4) Vinyl Chloride	1.392	62	155972	47.266	ug/l	97
5) Bromomethane	1.624	94	67970	50.995	ug/l	100
6) Chloroethane	1.703	64	92773	45.950	ug/l	97
7) Trichlorofluoromethane	1.904	101	228011	46.714	ug/l	97
8) Diethyl Ether	2.142	74	89364	51.996	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.343	101	137327	48.502	ug/l	99
10) Methyl Iodide	2.471	142	198280	40.864	ug/l	99
11) Tert butyl alcohol	2.959	59	74546	267.071	ug/l	100
12) 1,1-Dichloroethene	2.337	96	138483	47.975	ug/l	97
13) Acrolein	2.245	56	152087	258.116	ug/l	100
14) Allyl chloride	2.678	41	253477	50.558	ug/l	98
15) Acrylonitrile	3.081	53	341743	253.372	ug/l	99
16) Acetone	2.386	43	340465	282.303	ug/l	100
17) Carbon Disulfide	2.526	76	377752	43.368	ug/l	99
18) Methyl Acetate	2.709	43	175090	56.023	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	460788	52.473	ug/l	97
20) Methylene Chloride	2.800	84	158663	49.682	ug/l	95
21) trans-1,2-Dichloroethene	3.105	96	143651	46.888	ug/l	100
22) Diisopropyl ether	3.764	45	530561	53.537	ug/l	90
23) Vinyl Acetate	3.727	43	2128926	262.092	ug/l	99
24) 1,1-Dichloroethane	3.617	63	281992	50.342	ug/l	98
25) 2-Butanone	4.556	43	432900	274.073	ug/l	100
26) 2,2-Dichloropropane	4.483	77	211457	50.016	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	176936	49.585	ug/l	99
28) Bromochloromethane	4.904	49	132726	56.941	ug/l	99
29) Tetrahydrofuran	5.013	42	247179	242.119	ug/l	98
30) Chloroform	5.099	83	284762	49.812	ug/l	98
31) Cyclohexane	5.477	56	237389	45.973	ug/l	96
32) 1,1,1-Trichloroethane	5.391	97	238782	48.527	ug/l	100
36) 1,1-Dichloropropene	5.696	75	187916	46.080	ug/l	99
37) Ethyl Acetate	4.715	43	185529	43.823	ug/l	98
38) Carbon Tetrachloride	5.684	117	201253	45.160	ug/l	98
39) Methylcyclohexane	7.379	83	231636	45.537	ug/l	95
40) Benzene	6.044	78	589135	48.265	ug/l	99

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41) Methacrylonitrile	4.928	41	85816	48.068	ug/l	96
42) 1,2-Dichloroethane	6.092	62	215079	49.745	ug/l	100
43) Isopropyl Acetate	6.336	43	301985	49.652	ug/l	99
44) Trichloroethene	7.129	130	144331	46.179	ug/l	98
45) 1,2-Dichloropropane	7.427	63	151021	49.387	ug/l	99
46) Dibromomethane	7.580	93	109389	49.273	ug/l	97
47) Bromodichloromethane	7.818	83	229317	49.826	ug/l	99
48) Methyl methacrylate	7.690	41	157170	49.786	ug/l	99
49) 1,4-Dioxane	7.677	88	35931	1170.790	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	859427	245.555	ug/l	98
52) Toluene	8.714	92	367491	48.722	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	212547	52.915	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	234037	51.476	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	141600	49.445	ug/l	98
56) Ethyl methacrylate	9.116	69	214659	50.841	ug/l	98
57) 1,3-Dichloropropane	9.305	76	245575	50.324	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	496030	246.162	ug/l	99
59) 2-Hexanone	9.427	43	588782	243.199	ug/l	100
60) Dibromochloromethane	9.519	129	169913	49.925	ug/l	99
61) 1,2-Dibromoethane	9.610	107	144626	48.974	ug/l	100
64) Tetrachloroethene	9.269	164	118711	46.965	ug/l	98
65) Chlorobenzene	10.079	112	404956	48.764	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	141556	50.425	ug/l	99
67) Ethyl Benzene	10.189	91	701634	49.089	ug/l	99
68) m/p-Xylenes	10.299	106	523170	98.164	ug/l	99
69) o-Xylene	10.640	106	255854	49.886	ug/l	98
70) Styrene	10.653	104	441303	50.924	ug/l	100
71) Bromoform	10.793	173	105815	50.174	ug/l #	99
73) Isopropylbenzene	10.957	105	662630	49.550	ug/l	100
74) N-amyl acetate	10.842	43	257431	50.693	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	197287	50.246	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	158508m	50.572	ug/l	
77) Bromobenzene	11.195	156	162842	49.867	ug/l	99
78) n-propylbenzene	11.299	91	785818	49.201	ug/l	99
79) 2-Chlorotoluene	11.360	91	469970	48.677	ug/l	99
80) 1,3,5-Trimethylbenzene	11.445	105	543536	49.398	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	32124	45.408	ug/l	98
82) 4-Chlorotoluene	11.451	91	547058	48.067	ug/l	100
83) tert-Butylbenzene	11.713	119	546135	49.750	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	550436	50.024	ug/l	99
85) sec-Butylbenzene	11.890	105	669670	49.218	ug/l	100
86) p-Isopropyltoluene	12.006	119	568699	49.393	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	298542	47.855	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	304807	47.505	ug/l	99
89) n-Butylbenzene	12.329	91	533265	49.796	ug/l	99
90) Hexachloroethane	12.536	117	99175	49.100	ug/l	99
91) 1,2-Dichlorobenzene	12.329	146	288109	48.655	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	37071	48.821	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	194113	48.899	ug/l	99
94) Hexachlorobutadiene	13.719	225	69786	49.389	ug/l	99
95) Naphthalene	13.774	128	585297	51.594	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	186476	49.836	ug/l	97

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

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