

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
 Data File : VX047400.D
 Acq On : 19 Aug 2025 09:37
 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 08/20/2025
 Supervised By : Mahesh Dadoda 08/20/2025

Quant Time: Aug 19 10:00:17 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	5.562	168	203851	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	365078	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	334051	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	167955	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	164085	57.514	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.020%			
35) Dibromofluoromethane	5.391	113	125647	53.029	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.060%			
50) Toluene-d8	8.647	98	428388	50.584	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.160%			
62) 4-Bromofluorobenzene	11.079	95	166205	53.183	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.360%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	118983	45.787	ug/l	100
3) Chloromethane	1.313	50	115723	49.503	ug/l	98
4) Vinyl Chloride	1.392	62	134206	45.739	ug/l	93
5) Bromomethane	1.624	94	54388	45.891	ug/l	97
6) Chloroethane	1.703	64	83086	46.281	ug/l	98
7) Trichlorofluoromethane	1.904	101	195173	44.970	ug/l	98
8) Diethyl Ether	2.148	74	84247	55.128	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.343	101	118600	47.108	ug/l	99
10) Methyl Iodide	2.471	142	182007	42.186	ug/l	99
11) Tert butyl alcohol	2.959	59	73438	295.893	ug/l	99
12) 1,1-Dichloroethene	2.337	96	121485	47.332	ug/l	97
13) Acrolein	2.246	56	147637	281.792	ug/l	100
14) Allyl chloride	2.678	41	225494	50.583	ug/l	99
15) Acrylonitrile	3.081	53	342772	285.809	ug/l	100
16) Acetone	2.392	43	286462	267.129	ug/l	99
17) Carbon Disulfide	2.526	76	347652	44.886	ug/l	100
18) Methyl Acetate	2.715	43	158065	56.879	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	434808	55.686	ug/l	98
20) Methylene Chloride	2.800	84	149480	52.640	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	133669	49.068	ug/l	96
22) Diisopropyl ether	3.770	45	486194	55.175	ug/l	95
23) Vinyl Acetate	3.727	43	2049454	283.754	ug/l	100
24) 1,1-Dichloroethane	3.623	63	255069	51.211	ug/l	97
25) 2-Butanone	4.562	43	398410	283.674	ug/l	98
26) 2,2-Dichloropropane	4.483	77	185064	49.229	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	164241	51.764	ug/l	97
28) Bromochloromethane	4.904	49	126113	60.847	ug/l	100
29) Tetrahydrofuran	5.019	42	254725	280.608	ug/l	99
30) Chloroform	5.099	83	265903	52.310	ug/l	98
31) Cyclohexane	5.477	56	202692	44.146	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	212180	48.495	ug/l	99
36) 1,1-Dichloropropene	5.702	75	168226	44.977	ug/l	99
37) Ethyl Acetate	4.721	43	196036	50.486	ug/l	98
38) Carbon Tetrachloride	5.684	117	183778	44.963	ug/l	99
39) Methylcyclohexane	7.385	83	197227	42.274	ug/l	95
40) Benzene	6.044	78	545222	48.701	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	83588	51.049	ug/l	94
42) 1,2-Dichloroethane	6.092	62	204929	51.678	ug/l	99
43) Isopropyl Acetate	6.342	43	298419	53.497	ug/l	100
44) Trichloroethene	7.129	130	131351	45.821	ug/l	93
45) 1,2-Dichloropropane	7.434	63	142494	50.806	ug/l	99
46) Dibromomethane	7.580	93	103627	50.893	ug/l	99
47) Bromodichloromethane	7.824	83	215133	50.965	ug/l	99
48) Methyl methacrylate	7.690	41	154171	53.246	ug/l	99
49) 1,4-Dioxane	7.684	88	32666	1160.527	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	875170	272.635	ug/l	99
52) Toluene	8.720	92	333637	48.228	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	201870	54.796	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	220487	52.876	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	137274	52.264	ug/l	96
56) Ethyl methacrylate	9.116	69	211825	54.700	ug/l	99
57) 1,3-Dichloropropane	9.305	76	233945	52.271	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	493500	266.315	ug/l	99
59) 2-Hexanone	9.427	43	601025	270.676	ug/l	100
60) Dibromochloromethane	9.519	129	162215	51.968	ug/l	99
61) 1,2-Dibromoethane	9.610	107	141178	52.124	ug/l	100
64) Tetrachloroethene	9.275	164	106511	44.081	ug/l	98
65) Chlorobenzene	10.080	112	376884	47.476	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	132983	49.556	ug/l	99
67) Ethyl Benzene	10.195	91	642247	47.006	ug/l	100
68) m/p-Xylenes	10.299	106	484787	95.157	ug/l	100
69) o-Xylene	10.640	106	233222	47.570	ug/l	99
70) Styrene	10.653	104	417727	50.426	ug/l	100
71) Bromoform	10.799	173	105509	52.336	ug/l #	99
73) Isopropylbenzene	10.957	105	594503	45.232	ug/l	99
74) N-amyl acetate	10.842	43	263829	52.861	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	194960	50.522	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	152071m	49.366	ug/l	
77) Bromobenzene	11.195	156	157141	48.962	ug/l	98
78) n-propylbenzene	11.299	91	717602	45.715	ug/l	100
79) 2-Chlorotoluene	11.360	91	438581	46.220	ug/l	99
80) 1,3,5-Trimethylbenzene	11.445	105	505924	46.784	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	30598	44.250	ug/l	100
82) 4-Chlorotoluene	11.451	91	521477	46.620	ug/l	100
83) tert-Butylbenzene	11.713	119	507953	47.081	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	513998	47.529	ug/l	99
85) sec-Butylbenzene	11.890	105	609145	45.552	ug/l	100
86) p-Isopropyltoluene	12.006	119	514402	45.458	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	285904	46.630	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	291680	46.253	ug/l	100
89) n-Butylbenzene	12.329	91	480705	45.672	ug/l	100
90) Hexachloroethane	12.536	117	91716	46.201	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	278982	47.938	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	37258	49.925	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	187378	48.028	ug/l	99
94) Hexachlorobutadiene	13.725	225	63372	45.633	ug/l	100
95) Naphthalene	13.774	128	571033	51.217	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	181090	49.242	ug/l	100

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

