

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046179.D
 Acq On : 13 May 2025 20:15
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/14/2025
 Supervised By : Mahesh Dadoda 05/14/2025

Quant Time: May 14 01:47:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	84609	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	153029	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	136773	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64104	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	79143	50.174	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.340%			
35) Dibromofluoromethane	5.379	113	54535	49.489	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.980%			
50) Toluene-d8	8.647	98	189689	49.734	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.460%			
62) 4-Bromofluorobenzene	11.079	95	75105	51.336	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.680%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	72373	55.887	ug/l	100
3) Chloromethane	1.307	50	70599	56.217	ug/l	100
4) Vinyl Chloride	1.374	62	62536	53.505	ug/l	99
5) Bromomethane	1.593	94	26242	48.408	ug/l	98
6) Chloroethane	1.660	64	34579	55.420	ug/l	96
7) Trichlorofluoromethane	1.874	101	94078	54.464	ug/l	97
8) Diethyl Ether	2.130	74	31265	53.170	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	56783	53.119	ug/l	99
10) Methyl Iodide	2.447	142	74914	59.226	ug/l	99
11) Tert butyl alcohol	2.983	59	66348	299.652	ug/l	99
12) 1,1-Dichloroethene	2.306	96	53382	53.209	ug/l	96
13) Acrolein	2.239	56	77579	307.659	ug/l	98
14) Allyl chloride	2.654	41	105654	55.103	ug/l	97
15) Acrylonitrile	3.062	53	178507	281.945	ug/l	99
16) Acetone	2.386	43	173286	273.989	ug/l	99
17) Carbon Disulfide	2.502	76	122349	51.439	ug/l	99
18) Methyl Acetate	2.703	43	87821	59.839	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	200926	57.124	ug/l	99
20) Methylene Chloride	2.782	84	62497	51.566	ug/l	94
21) trans-1,2-Dichloroethene	3.081	96	53460	52.987	ug/l	94
22) Diisopropyl ether	3.764	45	213147	57.549	ug/l	93
23) Vinyl Acetate	3.721	43	935043	287.038	ug/l	100
24) 1,1-Dichloroethane	3.605	63	113537	55.038	ug/l	99
25) 2-Butanone	4.556	43	263308	286.768	ug/l	99
26) 2,2-Dichloropropane	4.471	77	70828	43.866	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	66841	55.032	ug/l	98
28) Bromochloromethane	4.885	49	50643	51.001	ug/l	99
29) Tetrahydrofuran	5.007	42	165929	288.391	ug/l	99
30) Chloroform	5.086	83	118060	54.907	ug/l	94
31) Cyclohexane	5.464	56	101592	54.043	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	104659	56.151	ug/l	98
36) 1,1-Dichloropropene	5.684	75	77505	52.347	ug/l	99
37) Ethyl Acetate	4.715	43	97911	53.524	ug/l	100
38) Carbon Tetrachloride	5.672	117	87433	52.557	ug/l	98
39) Methylcyclohexane	7.373	83	97435	51.116	ug/l	98
40) Benzene	6.031	78	231878	53.467	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	55544	58.044	ug/l	98
42) 1,2-Dichloroethane	6.080	62	98372	52.556	ug/l	100
43) Isopropyl Acetate	6.342	43	158269	56.713	ug/l	99
44) Trichloroethene	7.123	130	54544	52.255	ug/l	100
45) 1,2-Dichloropropane	7.427	63	58859	54.581	ug/l	99
46) Dibromomethane	7.574	93	45151	53.086	ug/l	99
47) Bromodichloromethane	7.818	83	90431	53.983	ug/l	99
48) Methyl methacrylate	7.690	41	83515	58.598	ug/l	99
49) 1,4-Dioxane	7.659	88	33209	1227.179	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	521369	281.453	ug/l	100
52) Toluene	8.714	92	143408	53.928	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	80974	54.382	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	90038	54.711	ug/l	94
55) 1,1,2-Trichloroethane	9.147	97	57622	54.953	ug/l	98
56) Ethyl methacrylate	9.116	69	98738	59.083	ug/l	98
57) 1,3-Dichloropropane	9.305	76	101237	53.760	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	236808	277.945	ug/l	100
59) 2-Hexanone	9.427	43	393647	287.232	ug/l	100
60) Dibromochloromethane	9.519	129	65057	56.495	ug/l	98
61) 1,2-Dibromoethane	9.610	107	59462	54.561	ug/l	97
64) Tetrachloroethene	9.269	164	45408	46.922	ug/l	94
65) Chlorobenzene	10.079	112	154983	51.771	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	54105	52.929	ug/l	100
67) Ethyl Benzene	10.189	91	281811	53.404	ug/l	100
68) m/p-Xylenes	10.299	106	204485	105.950	ug/l	98
69) o-Xylene	10.640	106	102209	54.321	ug/l	97
70) Styrene	10.653	104	171900	55.771	ug/l	99
71) Bromoform	10.799	173	40895	53.285	ug/l #	97
73) Isopropylbenzene	10.957	105	271025	54.306	ug/l	100
74) N-amyl acetate	10.842	43	141743	57.476	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	91062	52.068	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	80153m	51.946	ug/l	
77) Bromobenzene	11.195	156	62730	54.141	ug/l	98
78) n-propylbenzene	11.299	91	316213	54.492	ug/l	100
79) 2-Chlorotoluene	11.360	91	200885	53.671	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	231688	55.569	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	23267	49.092	ug/l	99
82) 4-Chlorotoluene	11.451	91	225541	54.338	ug/l	100
83) tert-Butylbenzene	11.713	119	232085	55.262	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	231839	54.909	ug/l	100
85) sec-Butylbenzene	11.890	105	283805	55.038	ug/l	100
86) p-Isopropyltoluene	12.006	119	233537	54.867	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	113233	53.549	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	111815	51.777	ug/l	99
89) n-Butylbenzene	12.329	91	203153	54.413	ug/l	100
90) Hexachloroethane	12.536	117	40229	53.648	ug/l	100
91) 1,2-Dichlorobenzene	12.329	146	112364	52.953	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21997	56.775	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	65659	53.873	ug/l	98
94) Hexachlorobutadiene	13.719	225	28338	53.238	ug/l	99
95) Naphthalene	13.774	128	251292	56.217	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	66891	53.191	ug/l	99

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

