

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051925\
 Data File : VX046282.D
 Acq On : 19 May 2025 20:52
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/21/2025
 Supervised By : Mahesh Dadoda 05/21/2025

Quant Time: May 19 23:19:27 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	87310	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	156847	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	137050	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	66022	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80168	49.251	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.500%		
35) Dibromofluoromethane	5.379	113	56025	49.603	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.200%		
50) Toluene-d8	8.647	98	188018	48.096	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.200%		
62) 4-Bromofluorobenzene	11.079	95	73538	49.041	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.080%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	68499	51.259	ug/l	97
3) Chloromethane	1.307	50	67190	51.848	ug/l	98
4) Vinyl Chloride	1.374	62	60470	50.137	ug/l	97
5) Bromomethane	1.593	94	25909	46.315	ug/l	93
6) Chloroethane	1.666	64	33879	52.618	ug/l	99
7) Trichlorofluoromethane	1.874	101	91175	51.150	ug/l	100
8) Diethyl Ether	2.130	74	30023	49.478	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	55710	50.503	ug/l	99
10) Methyl Iodide	2.441	142	67606	51.795	ug/l	100
11) Tert butyl alcohol	2.983	59	71881	314.598	ug/l	99
12) 1,1-Dichloroethene	2.307	96	52181	50.403	ug/l	99
13) Acrolein	2.239	56	86884	333.901	ug/l	98
14) Allyl chloride	2.654	41	105407	53.273	ug/l	96
15) Acrylonitrile	3.062	53	182699	279.639	ug/l	98
16) Acetone	2.386	43	182015	278.887	ug/l	100
17) Carbon Disulfide	2.502	76	115046	46.873	ug/l	99
18) Methyl Acetate	2.703	43	95138	62.819	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	200288	55.181	ug/l	98
20) Methylene Chloride	2.782	84	60370	48.270	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	53235	51.132	ug/l	98
22) Diisopropyl ether	3.764	45	208647	54.591	ug/l	92
23) Vinyl Acetate	3.721	43	923809	274.817	ug/l	100
24) 1,1-Dichloroethane	3.605	63	113221	53.187	ug/l	99
25) 2-Butanone	4.556	43	273016	288.143	ug/l	99
26) 2,2-Dichloropropane	4.465	77	70409	42.257	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	64723	51.640	ug/l	99
28) Bromochloromethane	4.898	49	49760	48.562	ug/l	99
29) Tetrahydrofuran	5.001	42	169927	286.203	ug/l	99
30) Chloroform	5.086	83	118688	53.492	ug/l	97
31) Cyclohexane	5.464	56	97778	50.405	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	102478	53.280	ug/l	99
36) 1,1-Dichloropropene	5.684	75	74735	49.247	ug/l	99
37) Ethyl Acetate	4.715	43	99356	52.992	ug/l	100
38) Carbon Tetrachloride	5.672	117	86493	50.726	ug/l	98
39) Methylcyclohexane	7.379	83	95293	48.775	ug/l	98
40) Benzene	6.031	78	226592	50.976	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	56125	57.224	ug/l	99
42) 1,2-Dichloroethane	6.080	62	97929	51.046	ug/l	99
43) Isopropyl Acetate	6.336	43	158100	55.274	ug/l	100
44) Trichloroethene	7.123	130	53050	49.587	ug/l	99
45) 1,2-Dichloropropane	7.428	63	58682	53.092	ug/l	100
46) Dibromomethane	7.574	93	44525	51.075	ug/l	99
47) Bromodichloromethane	7.818	83	90047	52.445	ug/l	98
48) Methyl methacrylate	7.690	41	83517	57.173	ug/l	98
49) 1,4-Dioxane	7.659	88	33931	1223.338	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	533042	280.749	ug/l	100
52) Toluene	8.714	92	137981	50.624	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	78935	51.722	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	87559	51.910	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	56340	52.423	ug/l	97
56) Ethyl methacrylate	9.116	69	97236	56.768	ug/l	98
57) 1,3-Dichloropropane	9.305	76	97811	50.676	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	229533	262.849	ug/l	100
59) 2-Hexanone	9.427	43	407766	290.291	ug/l	99
60) Dibromochloromethane	9.519	129	61989	52.520	ug/l	100
61) 1,2-Dibromoethane	9.604	107	58427	52.306	ug/l	98
64) Tetrachloroethene	9.269	164	46532	47.987	ug/l	97
65) Chlorobenzene	10.073	112	150664	50.227	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	52583	51.336	ug/l	99
67) Ethyl Benzene	10.189	91	273537	51.731	ug/l	100
68) m/p-Xylenes	10.299	106	198821	102.807	ug/l	98
69) o-Xylene	10.640	106	97409	51.665	ug/l	97
70) Styrene	10.653	104	165482	53.580	ug/l	99
71) Bromoform	10.799	173	40553	52.733	ug/l #	98
73) Isopropylbenzene	10.957	105	263245	51.215	ug/l	100
74) N-amyl acetate	10.842	43	141538	55.726	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	91894	51.017	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	79650m	50.120	ug/l	
77) Bromobenzene	11.195	156	59660	49.995	ug/l	100
78) n-propylbenzene	11.299	91	303414	50.768	ug/l	100
79) 2-Chlorotoluene	11.360	91	189619	49.189	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	221841	51.662	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	24726	50.655	ug/l	99
82) 4-Chlorotoluene	11.451	91	219772	51.410	ug/l	99
83) tert-Butylbenzene	11.713	119	220434	50.963	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	226128	52.001	ug/l	100
85) sec-Butylbenzene	11.890	105	273998	51.592	ug/l	100
86) p-Isopropyltoluene	12.006	119	225516	51.444	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	109281	50.178	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	109771	49.354	ug/l	99
89) n-Butylbenzene	12.329	91	199995	52.011	ug/l	100
90) Hexachloroethane	12.536	117	39515	51.165	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	111522	51.029	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	22228	55.705	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	64153	51.108	ug/l	99
94) Hexachlorobutadiene	13.725	225	27297	49.793	ug/l	99
95) Naphthalene	13.774	128	244370	53.080	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	65754	50.768	ug/l	100

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

