

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041825\
 Data File : VX045863.D
 Acq On : 18 Apr 2025 17:14
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/21/2025
 Supervised By : Mahesh Dadoda 04/21/2025

Quant Time: Apr 19 01:52:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	83434	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	150250	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	132465	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63174	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	76654	50.239	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.480%			
35) Dibromofluoromethane	5.379	113	53450	50.140	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.280%			
50) Toluene-d8	8.647	98	180085	48.399	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.800%			
62) 4-Bromofluorobenzene	11.079	95	71423	52.698	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.400%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	59472	47.663	ug/l	99
3) Chloromethane	1.301	50	60300	47.041	ug/l	99
4) Vinyl Chloride	1.374	62	58344	49.734	ug/l	100
5) Bromomethane	1.593	94	25713	46.227	ug/l	96
6) Chloroethane	1.660	64	26024	41.813	ug/l	96
7) Trichlorofluoromethane	1.868	101	87470	50.002	ug/l	97
8) Diethyl Ether	2.136	74	28659	48.797	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	51929	50.659	ug/l	98
10) Methyl Iodide	2.441	142	66827	52.267	ug/l	96
11) Tert butyl alcohol	2.989	59	50029	243.980	ug/l	98
12) 1,1-Dichloroethene	2.307	96	49694	49.613	ug/l	99
13) Acrolein	2.240	56	67325	238.425	ug/l	99
14) Allyl chloride	2.654	41	93892	49.405	ug/l	100
15) Acrylonitrile	3.063	53	154108	238.085	ug/l	99
16) Acetone	2.386	43	147267	235.051	ug/l	97
17) Carbon Disulfide	2.502	76	108386	43.813	ug/l	99
18) Methyl Acetate	2.703	43	69825	48.405	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	180115	51.405	ug/l	99
20) Methylene Chloride	2.782	84	56811	48.434	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	50015	48.877	ug/l	96
22) Diisopropyl ether	3.764	45	190254	50.821	ug/l	98
23) Vinyl Acetate	3.721	43	850600	262.979	ug/l	100
24) 1,1-Dichloroethane	3.605	63	104003	49.124	ug/l	99
25) 2-Butanone	4.556	43	221080	241.060	ug/l	100
26) 2,2-Dichloropropane	4.471	77	61374	44.868	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	61058	48.976	ug/l	99
28) Bromochloromethane	4.898	49	49372	48.257	ug/l	99
29) Tetrahydrofuran	5.001	42	141625	238.187	ug/l	99
30) Chloroform	5.093	83	110176	50.574	ug/l	93
31) Cyclohexane	5.458	56	93956	50.199	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	93897	50.938	ug/l	98
36) 1,1-Dichloropropene	5.684	75	71524	49.692	ug/l	99
37) Ethyl Acetate	4.715	43	84284	46.466	ug/l	99
38) Carbon Tetrachloride	5.672	117	77687	49.941	ug/l	98
39) Methylcyclohexane	7.373	83	90397	51.235	ug/l	98
40) Benzene	6.032	78	214076	48.699	ug/l	97

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41) Methacrylonitrile	4.922	41	48673	50.857	ug/l	99
42) 1,2-Dichloroethane	6.080	62	91953	50.645	ug/l	100
43) Isopropyl Acetate	6.336	43	138892	50.521	ug/l	100
44) Trichloroethene	7.123	130	50072	47.923	ug/l	96
45) 1,2-Dichloropropane	7.428	63	54578	49.760	ug/l	98
46) Dibromomethane	7.574	93	42814	50.850	ug/l	100
47) Bromodichloromethane	7.818	83	82533	49.084	ug/l	99
48) Methyl methacrylate	7.690	41	73113	51.508	ug/l	99
49) 1,4-Dioxane	7.665	88	25492	992.620	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	450991	247.461	ug/l	99
52) Toluene	8.714	92	133294	50.111	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	73536	45.685	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	81137	51.349	ug/l	96
55) 1,1,2-Trichloroethane	9.147	97	52593	49.618	ug/l	97
56) Ethyl methacrylate	9.116	69	87896	53.581	ug/l	99
57) 1,3-Dichloropropane	9.305	76	92079	49.886	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	221616	267.059	ug/l	99
59) 2-Hexanone	9.427	43	337083	249.767	ug/l	100
60) Dibromochloromethane	9.519	129	58620	50.729	ug/l	98
61) 1,2-Dibromoethane	9.604	107	54675	50.955	ug/l	100
64) Tetrachloroethene	9.269	164	44754	47.853	ug/l	98
65) Chlorobenzene	10.073	112	143336	50.639	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	48681	49.537	ug/l	99
67) Ethyl Benzene	10.189	91	262159	51.712	ug/l	100
68) m/p-Xylenes	10.299	106	191166	103.678	ug/l	99
69) o-Xylene	10.640	106	95074	52.343	ug/l	99
70) Styrene	10.653	104	158249	52.787	ug/l	98
71) Bromoform	10.799	173	36423	49.639	ug/l #	97
73) Isopropylbenzene	10.957	105	250341	49.472	ug/l	100
74) N-amyl acetate	10.842	43	126546	52.279	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	82586	46.459	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	70692m	45.875	ug/l	
77) Bromobenzene	11.195	156	56529	48.348	ug/l	99
78) n-propylbenzene	11.299	91	289837	49.726	ug/l	100
79) 2-Chlorotoluene	11.360	91	181948	48.829	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	210293	50.256	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	20088	44.243	ug/l	94
82) 4-Chlorotoluene	11.451	91	207084	49.845	ug/l	99
83) tert-Butylbenzene	11.713	119	208940	50.435	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	214370	51.042	ug/l	100
85) sec-Butylbenzene	11.890	105	261011	51.297	ug/l	99
86) p-Isopropyltoluene	12.006	119	215465	51.363	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	104725	49.206	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	103266	47.860	ug/l	98
89) n-Butylbenzene	12.329	91	189647	52.134	ug/l	100
90) Hexachloroethane	12.536	117	36269	50.308	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	104667	49.465	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18872	50.763	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	61852	52.514	ug/l	98
94) Hexachlorobutadiene	13.725	225	24021	47.328	ug/l	97
95) Naphthalene	13.774	128	228613	52.158	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	63296	51.321	ug/l	99

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

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