

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
 Data File : VX045733.D
 Acq On : 11 Apr 2025 11:55
 Operator : JC/MD
 Sample : VX0411WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0411WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/14/2025
 Supervised By : Mahesh Dadoda 04/14/2025

Quant Time: Apr 11 23:03:49 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	5.544	168	92540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	163903	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	140888	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64715	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	85438	50.486	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.980%			
35) Dibromofluoromethane	5.379	113	58904	50.653	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.300%			
50) Toluene-d8	8.647	98	199568	49.167	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.340%			
62) 4-Bromofluorobenzene	11.079	95	74766	50.570	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.140%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	26280	18.989	ug/l	99
3) Chloromethane	1.301	50	25029	17.604	ug/l	97
4) Vinyl Chloride	1.374	62	22732	17.471	ug/l	98
5) Bromomethane	1.593	94	10370	16.809	ug/l	97
6) Chloroethane	1.666	64	13051	18.906	ug/l	98
7) Trichlorofluoromethane	1.874	101	35608	18.352	ug/l	98
8) Diethyl Ether	2.130	74	11886	18.247	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	21099	18.558	ug/l	99
10) Methyl Iodide	2.447	142	22864	16.123	ug/l	96
11) Tert butyl alcohol	2.977	59	22092	97.136	ug/l	100
12) 1,1-Dichloroethene	2.307	96	19635	17.674	ug/l	98
13) Acrolein	2.233	56	28468	90.896	ug/l	99
14) Allyl chloride	2.654	41	38178	18.112	ug/l	98
15) Acrylonitrile	3.063	53	66646	92.831	ug/l	99
16) Acetone	2.386	43	63606	91.531	ug/l	95
17) Carbon Disulfide	2.502	76	39067	14.238	ug/l	98
18) Methyl Acetate	2.703	43	33915	21.198	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	72300	18.604	ug/l	99
20) Methylene Chloride	2.782	84	23691	18.210	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	20427	17.998	ug/l	97
22) Diisopropyl ether	3.764	45	77857	18.751	ug/l	93
23) Vinyl Acetate	3.721	43	331007	92.267	ug/l	100
24) 1,1-Dichloroethane	3.605	63	42626	18.152	ug/l	98
25) 2-Butanone	4.556	43	97238	95.593	ug/l	98
26) 2,2-Dichloropropane	4.471	77	30907	20.371	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	24956	18.048	ug/l	97
28) Bromochloromethane	4.891	49	27754	24.458	ug/l	99
29) Tetrahydrofuran	5.007	42	61195	92.791	ug/l	99
30) Chloroform	5.087	83	44128	18.263	ug/l	96
31) Cyclohexane	5.458	56	35674	17.184	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	37994	18.583	ug/l	100
36) 1,1-Dichloropropene	5.684	75	27539	17.539	ug/l	99
37) Ethyl Acetate	4.715	43	35996	18.192	ug/l	100
38) Carbon Tetrachloride	5.672	117	31597	18.620	ug/l	98
39) Methylcyclohexane	7.379	83	34358	17.851	ug/l	96
40) Benzene	6.031	78	86923	18.126	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	19757	18.924	ug/l	98
42) 1,2-Dichloroethane	6.086	62	38345	19.360	ug/l	100
43) Isopropyl Acetate	6.342	43	56572	18.864	ug/l	99
44) Trichloroethene	7.123	130	20087	17.624	ug/l	89
45) 1,2-Dichloropropane	7.428	63	22348	18.678	ug/l	92
46) Dibromomethane	7.580	93	17027	18.538	ug/l	98
47) Bromodichloromethane	7.818	83	33605	18.321	ug/l	99
48) Methyl methacrylate	7.696	41	29328	18.940	ug/l	99
49) 1,4-Dioxane	7.659	88	11671	416.596	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	195382	98.277	ug/l	100
52) Toluene	8.714	92	52911	18.235	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	28172	17.529	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	32748	18.999	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	21867	18.911	ug/l	94
56) Ethyl methacrylate	9.116	69	34930	19.520	ug/l	99
57) 1,3-Dichloropropane	9.305	76	39057	19.398	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	93610	103.408	ug/l	100
59) 2-Hexanone	9.427	43	148152	100.631	ug/l	98
60) Dibromochloromethane	9.519	129	23294	18.479	ug/l	98
61) 1,2-Dibromoethane	9.610	107	21821	18.642	ug/l	100
64) Tetrachloroethene	9.269	164	19066	19.167	ug/l	98
65) Chlorobenzene	10.073	112	57085	18.962	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.159	131	19355	18.518	ug/l	98
67) Ethyl Benzene	10.189	91	102213	18.957	ug/l	98
68) m/p-Xylenes	10.299	106	73917	37.692	ug/l	97
69) o-Xylene	10.640	106	36919	19.111	ug/l	95
70) Styrene	10.653	104	61692	19.348	ug/l	98
71) Bromoform	10.799	173	13988	17.924	ug/l #	97
73) Isopropylbenzene	10.957	105	98461	18.994	ug/l	99
74) N-amyl acetate	10.842	43	49056	19.784	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	35200	19.330	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	30476m	19.306	ug/l	
77) Bromobenzene	11.195	156	22387	18.691	ug/l	97
78) n-propylbenzene	11.299	91	114109	19.111	ug/l	98
79) 2-Chlorotoluene	11.360	91	72587	19.016	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	82627	19.276	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8026	17.256	ug/l	93
82) 4-Chlorotoluene	11.451	91	80441	18.901	ug/l	99
83) tert-Butylbenzene	11.713	119	81916	19.303	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	83790	19.476	ug/l	99
85) sec-Butylbenzene	11.890	105	100614	19.303	ug/l	100
86) p-Isopropyltoluene	12.006	119	82019	19.086	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	41097	18.850	ug/l	100
88) 1,4-Dichlorobenzene	12.037	146	42067	19.032	ug/l	98
89) n-Butylbenzene	12.329	91	69149	18.556	ug/l	99
90) Hexachloroethane	12.536	117	13478	18.250	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	41989	19.371	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7494	19.678	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	22029	18.258	ug/l	98
94) Hexachlorobutadiene	13.725	225	9827	18.901	ug/l	98
95) Naphthalene	13.774	128	86221	19.203	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	23835	18.866	ug/l	99

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

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