

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042425\
 Data File : VX045917.D
 Acq On : 24 Apr 2025 11:16
 Operator : JC/MD
 Sample : VX0424WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0424WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/25/2025
 Supervised By : Mahesh Dadoda 04/25/2025

Quant Time: Apr 25 02:25:35 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	83147	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	146215	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	126176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59444	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80415	52.886	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.780%			
35) Dibromofluoromethane	5.379	113	55766	53.756	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.520%			
50) Toluene-d8	8.647	98	184078	50.837	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.680%			
62) 4-Bromofluorobenzene	11.079	95	70380	53.362	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.720%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	21940	17.644	ug/l	100
3) Chloromethane	1.306	50	21208	16.602	ug/l	98
4) Vinyl Chloride	1.373	62	19705	16.855	ug/l	98
5) Bromomethane	1.593	94	9885	17.833	ug/l	96
6) Chloroethane	1.672	64	11780	18.992	ug/l	97
7) Trichlorofluoromethane	1.873	101	34333	19.694	ug/l	99
8) Diethyl Ether	2.135	74	11244	19.211	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.324	101	20381	19.951	ug/l	98
10) Methyl Iodide	2.446	142	22669	17.791	ug/l	100
11) Tert butyl alcohol	2.971	59	21130	103.402	ug/l	100
12) 1,1-Dichloroethene	2.312	96	18078	18.111	ug/l	98
13) Acrolein	2.233	56	28645	101.794	ug/l	96
14) Allyl chloride	2.660	41	36038	19.028	ug/l	99
15) Acrylonitrile	3.062	53	63039	97.727	ug/l	99
16) Acetone	2.385	43	59185	94.790	ug/l	96
17) Carbon Disulfide	2.507	76	32862	13.330	ug/l	97
18) Methyl Acetate	2.702	43	36221	25.196	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	69877	20.012	ug/l	100
20) Methylene Chloride	2.782	84	22580	19.317	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	18217	17.864	ug/l	98
22) Diisopropyl ether	3.757	45	74576	19.990	ug/l #	85
23) Vinyl Acetate	3.721	43	301976	93.684	ug/l	100
24) 1,1-Dichloroethane	3.605	63	41206	19.530	ug/l	99
25) 2-Butanone	4.556	43	90342	98.847	ug/l	98
26) 2,2-Dichloropropane	4.470	77	29705	21.791	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	23512	18.925	ug/l	96
28) Bromochloromethane	4.897	49	22312	21.883	ug/l	98
29) Tetrahydrofuran	5.001	42	54899	92.649	ug/l	98
30) Chloroform	5.086	83	43916	20.228	ug/l	94
31) Cyclohexane	5.464	56	33430	17.923	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	36384	19.806	ug/l	99
36) 1,1-Dichloropropene	5.690	75	26457	18.888	ug/l	98
37) Ethyl Acetate	4.714	43	32497	18.410	ug/l	99
38) Carbon Tetrachloride	5.671	117	29970	19.798	ug/l	97
39) Methylcyclohexane	7.372	83	32107	18.700	ug/l	98
40) Benzene	6.031	78	82105	19.193	ug/l	99

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41) Methacrylonitrile	4.922	41	19571	21.014	ug/l	98
42) 1,2-Dichloroethane	6.086	62	36699	20.771	ug/l	99
43) Isopropyl Acetate	6.336	43	51640	19.302	ug/l	99
44) Trichloroethene	7.122	130	19050	18.736	ug/l	97
45) 1,2-Dichloropropane	7.427	63	21013	19.687	ug/l	100
46) Dibromomethane	7.580	93	16299	19.892	ug/l	98
47) Bromodichloromethane	7.817	83	33251	20.321	ug/l	93
48) Methyl methacrylate	7.695	41	27128	19.639	ug/l	100
49) 1,4-Dioxane	7.659	88	10928	437.263	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	184575	104.072	ug/l	98
52) Toluene	8.714	92	49654	19.182	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	26586	18.411	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	30522	19.850	ug/l	94
55) 1,1,2-Trichloroethane	9.146	97	21084	20.440	ug/l	98
56) Ethyl methacrylate	9.116	69	32030	20.064	ug/l	98
57) 1,3-Dichloropropane	9.305	76	36329	20.225	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	82739	102.456	ug/l	99
59) 2-Hexanone	9.427	43	135049	102.828	ug/l	98
60) Dibromochloromethane	9.518	129	23143	20.580	ug/l	97
61) 1,2-Dibromoethane	9.610	107	20926	20.040	ug/l	99
64) Tetrachloroethene	9.268	164	17942	20.141	ug/l	98
65) Chlorobenzene	10.079	112	54840	20.340	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.158	131	19675	21.019	ug/l	99
67) Ethyl Benzene	10.195	91	98560	20.411	ug/l	99
68) m/p-Xylenes	10.299	106	71450	40.682	ug/l	98
69) o-Xylene	10.640	106	35064	20.267	ug/l	97
70) Styrene	10.652	104	59191	20.728	ug/l	98
71) Bromoform	10.799	173	13876	19.853	ug/l #	96
73) Isopropylbenzene	10.963	105	96049	20.172	ug/l	100
74) N-amyl acetate	10.841	43	44246	19.426	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	33676	20.133	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	28559m	19.696	ug/l	
77) Bromobenzene	11.195	156	21481	19.525	ug/l	99
78) n-propylbenzene	11.305	91	108957	19.866	ug/l	100
79) 2-Chlorotoluene	11.359	91	69162	19.726	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	80199	20.369	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	7309	17.108	ug/l	93
82) 4-Chlorotoluene	11.451	91	78196	20.003	ug/l	99
83) tert-Butylbenzene	11.713	119	79500	20.394	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	80157	20.283	ug/l	99
85) sec-Butylbenzene	11.890	105	100168	20.921	ug/l	100
86) p-Isopropyltoluene	12.006	119	80386	20.365	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	38910	19.429	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	40273	19.836	ug/l	98
89) n-Butylbenzene	12.329	91	68972	20.150	ug/l	98
90) Hexachloroethane	12.536	117	14254	21.012	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	41461	20.824	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7227	20.660	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	21930	19.787	ug/l	97
94) Hexachlorobutadiene	13.725	225	9621	20.146	ug/l	97
95) Naphthalene	13.774	128	79754	19.338	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	22418	19.317	ug/l	98

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

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