

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
 Data File : VX045033.D
 Acq On : 25 Feb 2025 12:57
 Operator : JC/MD
 Sample : VX0225WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0225WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/26/2025
 Supervised By : Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 03:14:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	104015	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	184616	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	164218	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	77007	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	81281	53.383	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.760%			
35) Dibromofluoromethane	5.379	113	64458	53.701	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.400%			
50) Toluene-d8	8.647	98	225725	49.732	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.460%			
62) 4-Bromofluorobenzene	11.079	95	82320	53.799	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.600%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	26428	18.116	ug/l	97
3) Chloromethane	1.313	50	27728	15.616	ug/l	98
4) Vinyl Chloride	1.374	62	27620	16.057	ug/l	98
5) Bromomethane	1.593	94	10551	20.498	ug/l	86
6) Chloroethane	1.672	64	16473	22.738	ug/l	100
7) Trichlorofluoromethane	1.874	101	41082	18.886	ug/l	99
8) Diethyl Ether	2.130	74	15050	19.077	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	24224	18.431	ug/l	98
10) Methyl Iodide	2.447	142	24750	14.530	ug/l	96
11) Tert butyl alcohol	2.971	59	33570	118.846	ug/l	99
12) 1,1-Dichloroethene	2.313	96	22933	17.106	ug/l	96
13) Acrolein	2.233	56	24474	83.978	ug/l	99
14) Allyl chloride	2.660	41	45680	18.853	ug/l	98
15) Acrylonitrile	3.062	53	85298	113.101	ug/l	98
16) Acetone	2.380	43	73126	119.468	ug/l	96
17) Carbon Disulfide	2.501	76	56362	15.331	ug/l	100
18) Methyl Acetate	2.703	43	48917	25.325	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	82029	19.230	ug/l	96
20) Methylene Chloride	2.782	84	27752	18.510	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	23160	17.552	ug/l	97
22) Diisopropyl ether	3.757	45	90716	19.790	ug/l	88
23) Vinyl Acetate	3.721	43	366009	97.941	ug/l	99
24) 1,1-Dichloroethane	3.605	63	47577	18.550	ug/l	97
25) 2-Butanone	4.556	43	119622	120.352	ug/l	93
26) 2,2-Dichloropropane	4.471	77	35307	17.358	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	29525	18.628	ug/l	100
28) Bromochloromethane	4.897	49	25948	21.051	ug/l	98
29) Tetrahydrofuran	5.001	42	78676	119.207	ug/l	98
30) Chloroform	5.086	83	49005	19.701	ug/l	97
31) Cyclohexane	5.458	56	41985	17.756	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	39919	18.921	ug/l	100
36) 1,1-Dichloropropene	5.690	75	31489	18.184	ug/l	100
37) Ethyl Acetate	4.715	43	43459	22.562	ug/l	99
38) Carbon Tetrachloride	5.666	117	33303	19.625	ug/l	99
39) Methylcyclohexane	7.373	83	41979	18.750	ug/l	97
40) Benzene	6.031	78	101685	18.805	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	25273	24.513	ug/l	96
42) 1,2-Dichloroethane	6.080	62	36973	21.453	ug/l	99
43) Isopropyl Acetate	6.342	43	67869	21.820	ug/l	98
44) Trichloroethene	7.123	130	23937	19.366	ug/l	97
45) 1,2-Dichloropropane	7.427	63	26735	19.873	ug/l	98
46) Dibromomethane	7.580	93	19271	20.656	ug/l	99
47) Bromodichloromethane	7.818	83	37771	20.908	ug/l	99
48) Methyl methacrylate	7.696	41	33381	22.760	ug/l	97
49) 1,4-Dioxane	7.659	88	15530	493.544	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	238466	126.106	ug/l	97
52) Toluene	8.714	92	62103	19.284	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	33432	18.288	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	40084	19.666	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	26031	21.027	ug/l	96
56) Ethyl methacrylate	9.116	69	41220	20.616	ug/l	98
57) 1,3-Dichloropropane	9.305	76	44709	20.641	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	88402	90.045	ug/l	100
59) 2-Hexanone	9.427	43	175998	129.175	ug/l	97
60) Dibromochloromethane	9.519	129	27361	20.666	ug/l	99
61) 1,2-Dibromoethane	9.610	107	26005	20.725	ug/l	99
64) Tetrachloroethene	9.269	164	19902	19.217	ug/l	98
65) Chlorobenzene	10.079	112	68070	19.299	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	22640	19.942	ug/l	98
67) Ethyl Benzene	10.189	91	119195	19.150	ug/l	98
68) m/p-Xylenes	10.299	106	90661	39.486	ug/l	98
69) o-Xylene	10.640	106	44481	19.307	ug/l	99
70) Styrene	10.652	104	74872	20.171	ug/l	100
71) Bromoform	10.799	173	17936	21.169	ug/l #	98
73) Isopropylbenzene	10.957	105	115836	18.682	ug/l	100
74) N-amyl acetate	10.841	43	56516	20.142	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	43038	20.199	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	35430m	20.751	ug/l	
77) Bromobenzene	11.195	156	26820	19.079	ug/l	97
78) n-propylbenzene	11.305	91	132947	18.576	ug/l	99
79) 2-Chlorotoluene	11.360	91	81582	18.547	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	96972	19.272	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	11113	16.743	ug/l	89
82) 4-Chlorotoluene	11.451	91	91866	18.878	ug/l	100
83) tert-Butylbenzene	11.713	119	96867	19.030	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	96411	19.413	ug/l	99
85) sec-Butylbenzene	11.890	105	121849	19.331	ug/l	99
86) p-Isopropyltoluene	12.006	119	99219	19.574	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	49720	19.233	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	48639	18.609	ug/l	98
89) n-Butylbenzene	12.329	91	85953	19.167	ug/l	99
90) Hexachloroethane	12.536	117	17367	18.298	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	50374	19.827	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8357	21.490	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	27211	17.700	ug/l	96
94) Hexachlorobutadiene	13.725	225	12391	20.303	ug/l	97
95) Naphthalene	13.774	128	110004	19.794	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	30122	19.444	ug/l	98

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

