

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022725\
 Data File : VX045061.D
 Acq On : 27 Feb 2025 14:32
 Operator : JC/MD
 Sample : VX0227WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0227WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/28/2025
 Supervised By : Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 00:42:28 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	5.544	168	96490	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	170779	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	154132	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	71674	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	76794	54.370	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.740%			
35) Dibromofluoromethane	5.379	113	59219	53.334	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.660%			
50) Toluene-d8	8.647	98	207864	49.507	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.020%			
62) 4-Bromofluorobenzene	11.079	95	73711	52.076	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.160%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	22930	16.944	ug/l	100
3) Chloromethane	1.313	50	26213	15.915	ug/l	99
4) Vinyl Chloride	1.374	62	25915	16.241	ug/l	99
5) Bromomethane	1.593	94	10243	21.451	ug/l	98
6) Chloroethane	1.666	64	14403	21.401	ug/l	100
7) Trichlorofluoromethane	1.874	101	38703	19.180	ug/l	100
8) Diethyl Ether	2.130	74	14936	20.409	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	22033	18.071	ug/l	96
10) Methyl Iodide	2.441	142	25272	15.994	ug/l	96
11) Tert butyl alcohol	2.971	59	37036	141.342	ug/l	99
12) 1,1-Dichloroethene	2.313	96	21486	17.276	ug/l	96
13) Acrolein	2.233	56	21607	79.922	ug/l	99
14) Allyl chloride	2.654	41	42295	18.817	ug/l	98
15) Acrylonitrile	3.063	53	85916	122.804	ug/l	97
16) Acetone	2.380	43	76778	135.217	ug/l	95
17) Carbon Disulfide	2.502	76	49260	14.444	ug/l	97
18) Methyl Acetate	2.703	43	50491	28.179	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	79899	20.192	ug/l	98
20) Methylene Chloride	2.782	84	26690	19.190	ug/l	94
21) trans-1,2-Dichloroethene	3.081	96	21759	17.776	ug/l	94
22) Diisopropyl ether	3.757	45	86837	20.421	ug/l	93
23) Vinyl Acetate	3.715	43	360641	104.031	ug/l	97
24) 1,1-Dichloroethane	3.599	63	45949	19.312	ug/l	98
25) 2-Butanone	4.550	43	124646	135.187	ug/l	95
26) 2,2-Dichloropropane	4.465	77	28118	14.902	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	28424	19.332	ug/l	98
28) Bromochloromethane	4.891	49	22363	19.558	ug/l #	97
29) Tetrahydrofuran	5.001	42	77741	126.977	ug/l	98
30) Chloroform	5.087	83	46873	20.314	ug/l	97
31) Cyclohexane	5.465	56	36912	16.828	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	37529	19.175	ug/l	98
36) 1,1-Dichloropropene	5.684	75	29398	18.352	ug/l	99
37) Ethyl Acetate	4.709	43	43612	24.476	ug/l	100
38) Carbon Tetrachloride	5.666	117	31301	19.939	ug/l	97
39) Methylcyclohexane	7.373	83	36958	17.845	ug/l	98
40) Benzene	6.031	78	97676	19.527	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	24563	25.754	ug/l	97
42) 1,2-Dichloroethane	6.080	62	36386	22.823	ug/l	99
43) Isopropyl Acetate	6.336	43	66906	23.253	ug/l	98
44) Trichloroethene	7.117	130	21934	19.184	ug/l	96
45) 1,2-Dichloropropane	7.421	63	25374	20.389	ug/l	96
46) Dibromomethane	7.580	93	18721	21.692	ug/l	99
47) Bromodichloromethane	7.818	83	36674	21.946	ug/l	99
48) Methyl methacrylate	7.690	41	32804	24.179	ug/l	96
49) 1,4-Dioxane	7.659	88	15721	540.094	ug/l	97
51) 4-Methyl-2-Pentanone	8.568	43	239298	136.800	ug/l	96
52) Toluene	8.714	92	59252	19.889	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	32412	19.167	ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	37548	19.914	ug/l	96
55) 1,1,2-Trichloroethane	9.147	97	25815	22.542	ug/l	98
56) Ethyl methacrylate	9.116	69	39395	21.299	ug/l	95
57) 1,3-Dichloropropane	9.305	76	43593	21.756	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	104675	115.259	ug/l	98
59) 2-Hexanone	9.427	43	177178	140.577	ug/l	96
60) Dibromochloromethane	9.519	129	27402	22.374	ug/l	99
61) 1,2-Dibromoethane	9.604	107	25153	21.670	ug/l	99
64) Tetrachloroethene	9.269	164	18537	19.070	ug/l	95
65) Chlorobenzene	10.080	112	64829	19.583	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	21543	20.218	ug/l	98
67) Ethyl Benzene	10.189	91	112223	19.210	ug/l	99
68) m/p-Xylenes	10.299	106	84131	39.039	ug/l	99
69) o-Xylene	10.640	106	41553	19.216	ug/l	96
70) Styrene	10.653	104	70784	20.318	ug/l	99
71) Bromoform	10.799	173	18203	22.890	ug/l #	98
73) Isopropylbenzene	10.957	105	109078	18.901	ug/l	100
74) N-amyl acetate	10.842	43	55260	21.160	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.207	83	42581	21.472	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	34291m	21.579	ug/l	
77) Bromobenzene	11.195	156	25625	19.585	ug/l	97
78) n-propylbenzene	11.299	91	126393	18.974	ug/l	99
79) 2-Chlorotoluene	11.360	91	77199	18.857	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	91149	19.463	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	9967	16.134	ug/l #	85
82) 4-Chlorotoluene	11.451	91	86420	19.080	ug/l	99
83) tert-Butylbenzene	11.713	119	92673	19.561	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	91018	19.691	ug/l	100
85) sec-Butylbenzene	11.890	105	113170	19.290	ug/l	100
86) p-Isopropyltoluene	12.006	119	93438	19.805	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	46720	19.417	ug/l	100
88) 1,4-Dichlorobenzene	12.037	146	47510	19.529	ug/l	99
89) n-Butylbenzene	12.329	91	79418	19.027	ug/l	100
90) Hexachloroethane	12.536	117	16053	18.172	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	48576	20.542	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8581	23.708	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	26944	18.830	ug/l	100
94) Hexachlorobutadiene	13.725	225	11314	19.917	ug/l	99
95) Naphthalene	13.774	128	104858	20.272	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	28158	19.529	ug/l	99

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

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