

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042825\
 Data File : VX045948.D
 Acq On : 28 Apr 2025 11:58
 Operator : JC/MD
 Sample : VX0428WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0428WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/29/2025
 Supervised By : Semsettin Yesilyurt 04/29/2025

Quant Time: Apr 29 01:32:44 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	82134	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	144508	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	128045	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	62348	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	78275	52.113	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.220%			
35) Dibromofluoromethane	5.379	113	54857	53.504	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.000%			
50) Toluene-d8	8.647	98	179376	50.124	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.240%			
62) 4-Bromofluorobenzene	11.079	95	70588	54.152	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.300%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	20742	16.887	ug/l	99
3) Chloromethane	1.307	50	20040	15.881	ug/l	99
4) Vinyl Chloride	1.374	62	19014	16.465	ug/l	95
5) Bromomethane	1.593	94	9033	16.497	ug/l	98
6) Chloroethane	1.672	64	11297	18.438	ug/l	94
7) Trichlorofluoromethane	1.880	101	32573	18.915	ug/l	97
8) Diethyl Ether	2.130	74	11431	19.772	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	20783	20.596	ug/l	96
10) Methyl Iodide	2.447	142	22843	18.149	ug/l	97
11) Tert butyl alcohol	2.965	59	22720	112.554	ug/l	98
12) 1,1-Dichloroethene	2.312	96	17588	17.837	ug/l	94
13) Acrolein	2.233	56	28881	103.898	ug/l	99
14) Allyl chloride	2.660	41	36155	19.325	ug/l	100
15) Acrylonitrile	3.062	53	65555	102.880	ug/l	98
16) Acetone	2.380	43	61888	100.342	ug/l	100
17) Carbon Disulfide	2.508	76	34374	14.115	ug/l	99
18) Methyl Acetate	2.703	43	39330	27.697	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	71428	20.708	ug/l	98
20) Methylene Chloride	2.782	84	21760	18.845	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	18416	18.282	ug/l	98
22) Diisopropyl ether	3.757	45	75794	20.567	ug/l #	87
23) Vinyl Acetate	3.715	43	311473	97.822	ug/l	100
24) 1,1-Dichloroethane	3.605	63	40772	19.563	ug/l	98
25) 2-Butanone	4.556	43	95102	105.338	ug/l	98
26) 2,2-Dichloropropane	4.471	77	30129	22.374	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	23769	19.367	ug/l	97
28) Bromochloromethane	4.891	49	22457	22.297	ug/l	98
29) Tetrahydrofuran	5.001	42	58595	100.106	ug/l	100
30) Chloroform	5.080	83	43892	20.467	ug/l	98
31) Cyclohexane	5.470	56	32295	17.528	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	36712	20.231	ug/l	99
36) 1,1-Dichloropropene	5.684	75	26092	18.848	ug/l	97
37) Ethyl Acetate	4.714	43	33047	18.943	ug/l	98
38) Carbon Tetrachloride	5.666	117	30973	20.702	ug/l	93
39) Methylcyclohexane	7.373	83	32651	19.241	ug/l	99
40) Benzene	6.031	78	81556	19.290	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	19720	21.424	ug/l	99
42) 1,2-Dichloroethane	6.080	62	37701	21.590	ug/l	99
43) Isopropyl Acetate	6.336	43	55292	20.911	ug/l	99
44) Trichloroethene	7.116	130	19336	19.242	ug/l	100
45) 1,2-Dichloropropane	7.421	63	21679	20.551	ug/l	97
46) Dibromomethane	7.580	93	16673	20.589	ug/l	97
47) Bromodichloromethane	7.818	83	34175	21.132	ug/l	94
48) Methyl methacrylate	7.690	41	28282	20.716	ug/l	99
49) 1,4-Dioxane	7.659	88	11165	452.023	ug/l	98
51) 4-Methyl-2-Pentanone	8.567	43	191557	109.285	ug/l	98
52) Toluene	8.714	92	49940	19.521	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	28812	19.967	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	32334	21.276	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	21741	21.326	ug/l	96
56) Ethyl methacrylate	9.116	69	33799	21.423	ug/l	99
57) 1,3-Dichloropropane	9.305	76	37690	21.231	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	82598	103.490	ug/l	99
59) 2-Hexanone	9.427	43	142356	109.672	ug/l	99
60) Dibromochloromethane	9.518	129	24842	22.352	ug/l	96
61) 1,2-Dibromoethane	9.604	107	21993	21.311	ug/l	99
64) Tetrachloroethene	9.269	164	17896	19.796	ug/l	98
65) Chlorobenzene	10.079	112	56044	20.483	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	19830	20.875	ug/l	99
67) Ethyl Benzene	10.189	91	98650	20.131	ug/l	100
68) m/p-Xylenes	10.299	106	72677	40.777	ug/l	100
69) o-Xylene	10.640	106	35853	20.420	ug/l	98
70) Styrene	10.652	104	59949	20.687	ug/l	99
71) Bromoform	10.799	173	14913	21.026	ug/l #	97
73) Isopropylbenzene	10.957	105	97207	19.464	ug/l	100
74) N-amyl acetate	10.841	43	47082	19.708	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	35361	20.156	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	30027m	19.744	ug/l	
77) Bromobenzene	11.195	156	22500	19.499	ug/l	97
78) n-propylbenzene	11.299	91	111459	19.376	ug/l	100
79) 2-Chlorotoluene	11.360	91	71327	19.396	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	81000	19.614	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	8130	18.143	ug/l	93
82) 4-Chlorotoluene	11.451	91	81529	19.884	ug/l	100
83) tert-Butylbenzene	11.713	119	80418	19.669	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	81522	19.668	ug/l	99
85) sec-Butylbenzene	11.890	105	101782	20.268	ug/l	100
86) p-Isopropyltoluene	12.006	119	82599	19.951	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	40544	19.302	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	41468	19.474	ug/l	97
89) n-Butylbenzene	12.329	91	72172	20.103	ug/l	97
90) Hexachloroethane	12.536	117	14385	20.218	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	42911	20.548	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8030	21.886	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	23369	20.104	ug/l	100
94) Hexachlorobutadiene	13.725	225	10106	20.175	ug/l	99
95) Naphthalene	13.774	128	86253	19.939	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	23877	19.616	ug/l	96

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

