

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
 Data File : VX045104.D
 Acq On : 03 Mar 2025 11:07
 Operator : JC/MD
 Sample : VX0303WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0303WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/04/2025
 Supervised By : Mahesh Dadoda 03/04/2025

Quant Time: Mar 04 05:19:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.537	168	93432	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.751	114	172687	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	158151	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	72616	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	83986	56.512	ug/l	-0.01
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.020%			
35) Dibromofluoromethane	5.373	113	65747	56.938	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.880%			
50) Toluene-d8	8.641	98	230909	55.159	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.320%			
62) 4-Bromofluorobenzene	11.079	95	82013	59.122	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 118.240%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	21547	18.321	ug/l	99
3) Chloromethane	1.294	50	28860	20.052	ug/l	99
4) Vinyl Chloride	1.374	62	26033	18.233	ug/l	99
5) Bromomethane	1.593	94	11660	20.774	ug/l	98
6) Chloroethane	1.660	64	11606	17.623	ug/l	99
7) Trichlorofluoromethane	1.867	101	35988	19.040	ug/l	98
8) Diethyl Ether	2.130	74	15442	20.887	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.318	101	22207	20.450	ug/l	99
10) Methyl Iodide	2.440	142	27682	20.399	ug/l	99
11) Tert butyl alcohol	2.995	59	22113	78.553	ug/l #	91
12) 1,1-Dichloroethene	2.306	96	21380	18.622	ug/l	98
13) Acrolein	2.233	56	29644	91.097	ug/l	99
14) Allyl chloride	2.654	41	42514	20.803	ug/l	99
15) Acrylonitrile	3.062	53	72296	95.824	ug/l	100
16) Acetone	2.379	43	63205	91.663	ug/l	100
17) Carbon Disulfide	2.501	76	57831	18.912	ug/l	99
18) Methyl Acetate	2.696	43	30947	18.656	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	80700	20.951	ug/l	100
20) Methylene Chloride	2.782	84	27078	19.824	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	23147	20.408	ug/l	95
22) Diisopropyl ether	3.751	45	89454	21.523	ug/l #	84
23) Vinyl Acetate	3.715	43	372717	107.460	ug/l	98
24) 1,1-Dichloroethane	3.599	63	47010	20.182	ug/l	99
25) 2-Butanone	4.550	43	99092	95.471	ug/l	96
26) 2,2-Dichloropropane	4.464	77	31974	29.265	ug/l	97
27) cis-1,2-Dichloroethene	4.471	96	29840	21.312	ug/l	99
28) Bromochloromethane	4.885	49	32450	29.228	ug/l	99
29) Tetrahydrofuran	4.995	42	64471	92.495	ug/l	98
30) Chloroform	5.080	83	47859	20.679	ug/l	99
31) Cyclohexane	5.458	56	38538	19.060	ug/l	97
32) 1,1,1-Trichloroethane	5.367	97	36933	19.758	ug/l	97
36) 1,1-Dichloropropene	5.684	75	29487	18.621	ug/l	99
37) Ethyl Acetate	4.702	43	36830	18.049	ug/l	100
38) Carbon Tetrachloride	5.665	117	30218	18.796	ug/l	94
39) Methylcyclohexane	7.372	83	38942	20.523	ug/l	96
40) Benzene	6.031	78	102279	20.453	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	21946	19.890	ug/l	99
42) 1,2-Dichloroethane	6.074	62	37475	20.811	ug/l	99
43) Isopropyl Acetate	6.330	43	60487	20.046	ug/l	99
44) Trichloroethene	7.116	130	23390	19.920	ug/l	94
45) 1,2-Dichloropropane	7.421	63	25954	20.187	ug/l	97
46) Dibromomethane	7.574	93	19063	20.977	ug/l	99
47) Bromodichloromethane	7.811	83	37010	20.763	ug/l	99
48) Methyl methacrylate	7.689	41	30067	19.862	ug/l	99
49) 1,4-Dioxane	7.665	88	11589	362.931	ug/l	99
51) 4-Methyl-2-Pentanone	8.567	43	196036	96.760	ug/l	99
52) Toluene	8.714	92	62665	21.359	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	32903	22.080	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	38595	22.211	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	25155	20.827	ug/l	98
56) Ethyl methacrylate	9.110	69	37831	20.605	ug/l	99
57) 1,3-Dichloropropane	9.305	76	44412	21.247	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	95865	107.039	ug/l	99
59) 2-Hexanone	9.427	43	138826	94.573	ug/l	99
60) Dibromochloromethane	9.518	129	26901	21.301	ug/l	98
61) 1,2-Dibromoethane	9.604	107	25290	20.974	ug/l	100
64) Tetrachloroethene	9.268	164	19579	19.330	ug/l	98
65) Chlorobenzene	10.073	112	68010	20.323	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	21714	19.484	ug/l	99
67) Ethyl Benzene	10.189	91	115205	19.757	ug/l	100
68) m/p-Xylenes	10.299	106	87709	41.090	ug/l	99
69) o-Xylene	10.640	106	43501	20.206	ug/l	98
70) Styrene	10.652	104	71794	20.610	ug/l	99
71) Bromoform	10.799	173	16751	19.933	ug/l #	100
73) Isopropylbenzene	10.957	105	106695	18.824	ug/l	100
74) N-amyl acetate	10.841	43	50411	18.955	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	38598	18.558	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	30479m	18.033	ug/l	
77) Bromobenzene	11.195	156	26563	19.863	ug/l	98
78) n-propylbenzene	11.299	91	124861	19.501	ug/l	99
79) 2-Chlorotoluene	11.360	91	77306	18.959	ug/l	99
80) 1,3,5-Trimethylbenzene	11.445	105	91039	19.865	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	9101	18.428	ug/l	94
82) 4-Chlorotoluene	11.451	91	87821	19.762	ug/l	98
83) tert-Butylbenzene	11.713	119	89254	18.955	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	92407	20.039	ug/l	100
85) sec-Butylbenzene	11.890	105	111150	19.705	ug/l	99
86) p-Isopropyltoluene	12.006	119	90153	19.777	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	47982	20.113	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	49029	20.314	ug/l	98
89) n-Butylbenzene	12.329	91	78755	20.060	ug/l	99
90) Hexachloroethane	12.536	117	15022	18.219	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	48808	20.395	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7196	17.759	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	28469	20.892	ug/l	98
94) Hexachlorobutadiene	13.725	225	11266	20.166	ug/l	97
95) Naphthalene	13.774	128	104144	19.892	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	29866	20.776	ug/l	99

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

