

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040425\
 Data File : VX045590.D
 Acq On : 04 Apr 2025 11:40
 Operator : JC/MD
 Sample : VX0404WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0404WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/07/2025
 Supervised By : Mahesh Dadoda 04/07/2025

Quant Time: Apr 04 23:11:01 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	92597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	161617	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	145135	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	90323	53.340	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.680%			
35) Dibromofluoromethane	5.379	113	60347	52.628	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.260%			
50) Toluene-d8	8.647	98	212584	53.115	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.220%			
62) 4-Bromofluorobenzene	11.079	95	78624	53.931	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.860%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	29372	21.210	ug/l	95
3) Chloromethane	1.307	50	26184	18.405	ug/l	97
4) Vinyl Chloride	1.374	62	25017	19.215	ug/l	99
5) Bromomethane	1.593	94	11656	18.882	ug/l	98
6) Chloroethane	1.672	64	13788	19.961	ug/l	99
7) Trichlorofluoromethane	1.874	101	39175	20.178	ug/l	98
8) Diethyl Ether	2.130	74	12792	19.625	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.319	101	23185	20.380	ug/l	97
10) Methyl Iodide	2.447	142	26079	18.378	ug/l	97
11) Tert butyl alcohol	2.971	59	22169	97.415	ug/l	98
12) 1,1-Dichloroethene	2.313	96	21129	19.007	ug/l	98
13) Acrolein	2.233	56	35155	112.178	ug/l	98
14) Allyl chloride	2.654	41	40403	19.156	ug/l	97
15) Acrylonitrile	3.062	53	73801	102.734	ug/l	98
16) Acetone	2.380	43	69871	100.485	ug/l	97
17) Carbon Disulfide	2.502	76	51231	18.660	ug/l	100
18) Methyl Acetate	2.703	43	33174	20.722	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	76533	19.681	ug/l	97
20) Methylene Chloride	2.782	84	25529	19.611	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	21549	18.975	ug/l	99
22) Diisopropyl ether	3.757	45	82058	19.750	ug/l #	85
23) Vinyl Acetate	3.715	43	362593	101.009	ug/l	100
24) 1,1-Dichloroethane	3.605	63	45273	19.268	ug/l	99
25) 2-Butanone	4.556	43	105817	103.963	ug/l	98
26) 2,2-Dichloropropane	4.471	77	31149	20.518	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	26520	19.167	ug/l	98
28) Bromochloromethane	4.891	49	23299	20.519	ug/l	100
29) Tetrahydrofuran	5.001	42	66297	100.466	ug/l	100
30) Chloroform	5.086	83	48123	19.904	ug/l	98
31) Cyclohexane	5.458	56	40081	19.295	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	40071	19.587	ug/l	98
36) 1,1-Dichloropropene	5.690	75	30276	19.555	ug/l	99
37) Ethyl Acetate	4.715	43	40149	20.578	ug/l	100
38) Carbon Tetrachloride	5.666	117	34178	20.426	ug/l	93
39) Methylcyclohexane	7.373	83	39127	20.617	ug/l	95
40) Benzene	6.031	78	92456	19.553	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	22686	22.037	ug/l	98
42) 1,2-Dichloroethane	6.086	62	40492	20.733	ug/l	100
43) Isopropyl Acetate	6.342	43	60398	20.424	ug/l	99
44) Trichloroethene	7.123	130	22106	19.669	ug/l	99
45) 1,2-Dichloropropane	7.427	63	24079	20.409	ug/l	100
46) Dibromomethane	7.580	93	18760	20.714	ug/l	99
47) Bromodichloromethane	7.818	83	36921	20.413	ug/l	95
48) Methyl methacrylate	7.690	41	30841	20.199	ug/l	99
49) 1,4-Dioxane	7.659	88	11859	429.294	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	207996	106.101	ug/l	100
52) Toluene	8.714	92	57346	20.042	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	30852	19.215	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	35055	20.625	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	23535	20.642	ug/l	96
56) Ethyl methacrylate	9.116	69	36239	20.538	ug/l	98
57) 1,3-Dichloropropane	9.305	76	41392	20.848	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	94302	105.646	ug/l	100
59) 2-Hexanone	9.427	43	153410	105.677	ug/l	100
60) Dibromochloromethane	9.519	129	25740	20.708	ug/l	97
61) 1,2-Dibromoethane	9.604	107	23938	20.740	ug/l	99
64) Tetrachloroethene	9.269	164	19869	19.390	ug/l	98
65) Chlorobenzene	10.073	112	62313	20.093	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	21067	19.566	ug/l	99
67) Ethyl Benzene	10.189	91	111795	20.127	ug/l	99
68) m/p-Xylenes	10.299	106	81202	40.195	ug/l	99
69) o-Xylene	10.640	106	40016	20.108	ug/l	98
70) Styrene	10.652	104	66944	20.381	ug/l	99
71) Bromoform	10.799	173	15669	19.490	ug/l #	96
73) Isopropylbenzene	10.957	105	107035	20.475	ug/l	100
74) N-amyl acetate	10.841	43	49971	19.983	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	36342	19.790	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	31836m	19.998	ug/l	
77) Bromobenzene	11.195	156	23927	19.809	ug/l	100
78) n-propylbenzene	11.299	91	122355	20.320	ug/l	99
79) 2-Chlorotoluene	11.360	91	76626	19.906	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	89670	20.743	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8567	18.264	ug/l	93
82) 4-Chlorotoluene	11.451	91	87060	20.284	ug/l	99
83) tert-Butylbenzene	11.713	119	87480	20.440	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	89924	20.726	ug/l	99
85) sec-Butylbenzene	11.890	105	111357	21.184	ug/l	99
86) p-Isopropyltoluene	12.006	119	90417	20.864	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	43316	19.701	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	42823	19.211	ug/l	97
89) n-Butylbenzene	12.329	91	77794	20.701	ug/l	98
90) Hexachloroethane	12.536	117	15051	20.208	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	43307	19.811	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8021	20.885	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	23587	19.385	ug/l	99
94) Hexachlorobutadiene	13.719	225	10565	20.149	ug/l	98
95) Naphthalene	13.774	128	87923	19.417	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	24006	18.841	ug/l	98

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

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