

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
 Data File : VX045407.D
 Acq On : 24 Mar 2025 12:10
 Operator : JC/MD
 Sample : VX0324WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0324WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/25/2025
 Supervised By : Mahesh Dadoda 03/25/2025

Quant Time: Mar 25 01:31:09 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	5.544	168	87376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	157120	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	141646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	80574	57.973	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.940%			
35) Dibromofluoromethane	5.379	113	56901	54.159	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.320%			
50) Toluene-d8	8.647	98	192883	50.641	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.280%			
62) 4-Bromofluorobenzene	11.079	95	70324	55.718	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.440%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	17983	16.350	ug/l	95
3) Chloromethane	1.307	50	19651	14.600	ug/l	96
4) Vinyl Chloride	1.374	62	18599	13.929	ug/l	91
5) Bromomethane	1.593	94	9594	18.278	ug/l	91
6) Chloroethane	1.666	64	11233	18.239	ug/l	98
7) Trichlorofluoromethane	1.874	101	29316	16.585	ug/l	100
8) Diethyl Ether	2.130	74	11942	17.273	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	19681	19.380	ug/l	98
10) Methyl Iodide	2.441	142	23678	18.657	ug/l	97
11) Tert butyl alcohol	2.977	59	22746	86.402	ug/l	97
12) 1,1-Dichloroethene	2.306	96	18100	16.858	ug/l	98
13) Acrolein	2.233	56	30370	99.797	ug/l	99
14) Allyl chloride	2.660	41	35966	18.819	ug/l	94
15) Acrylonitrile	3.062	53	72983	103.439	ug/l	99
16) Acetone	2.386	43	66291	102.801	ug/l	99
17) Carbon Disulfide	2.502	76	36626	12.808	ug/l #	95
18) Methyl Acetate	2.703	43	43367	27.956	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	74393	20.652	ug/l	98
20) Methylene Chloride	2.782	84	23765	18.605	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	18493	17.435	ug/l	95
22) Diisopropyl ether	3.757	45	78682	20.243	ug/l #	83
23) Vinyl Acetate	3.715	43	321886	99.237	ug/l	99
24) 1,1-Dichloroethane	3.605	63	40438	18.564	ug/l	100
25) 2-Butanone	4.556	43	102976	106.090	ug/l	99
26) 2,2-Dichloropropane	4.471	77	27811	27.219	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	24535	18.738	ug/l	93
28) Bromochloromethane	4.891	49	22954	22.108	ug/l	99
29) Tetrahydrofuran	5.007	42	64985	99.695	ug/l	99
30) Chloroform	5.086	83	44155	20.400	ug/l	100
31) Cyclohexane	5.458	56	31104	16.449	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	33535	19.184	ug/l	97
36) 1,1-Dichloropropene	5.684	75	25803	17.909	ug/l	99
37) Ethyl Acetate	4.715	43	37077	19.971	ug/l	100
38) Carbon Tetrachloride	5.666	117	28102	19.211	ug/l	94
39) Methylcyclohexane	7.373	83	30772	17.824	ug/l	99
40) Benzene	6.031	78	84606	18.596	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	21593	21.509	ug/l	97
42) 1,2-Dichloroethane	6.080	62	35920	21.924	ug/l	97
43) Isopropyl Acetate	6.336	43	58230	21.210	ug/l	98
44) Trichloroethene	7.123	130	19215	17.986	ug/l	97
45) 1,2-Dichloropropane	7.427	63	23057	19.710	ug/l	98
46) Dibromomethane	7.580	93	17570	21.250	ug/l	96
47) Bromodichloromethane	7.818	83	34030	20.983	ug/l	99
48) Methyl methacrylate	7.690	41	29507	21.423	ug/l	95
49) 1,4-Dioxane	7.659	88	10726	369.185	ug/l	93
51) 4-Methyl-2-Pentanone	8.574	43	200691	108.872	ug/l	100
52) Toluene	8.714	92	51580	19.322	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	28460	20.991	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	33400	21.126	ug/l	92
55) 1,1,2-Trichloroethane	9.147	97	22937	20.872	ug/l	95
56) Ethyl methacrylate	9.116	69	35385	21.183	ug/l	94
57) 1,3-Dichloropropane	9.305	76	39834	20.945	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	81179	99.622	ug/l	99
59) 2-Hexanone	9.427	43	148325	111.056	ug/l	99
60) Dibromochloromethane	9.519	129	25112	21.855	ug/l	99
61) 1,2-Dibromoethane	9.610	107	23104	21.060	ug/l	99
64) Tetrachloroethene	9.269	164	16751	18.465	ug/l	97
65) Chlorobenzene	10.079	112	57174	19.076	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	19789	19.826	ug/l	97
67) Ethyl Benzene	10.189	91	97631	18.695	ug/l	99
68) m/p-Xylenes	10.299	106	72058	37.691	ug/l	95
69) o-Xylene	10.640	106	36269	18.810	ug/l	98
70) Styrene	10.652	104	61208	19.619	ug/l	98
71) Bromoform	10.799	173	15480	20.567	ug/l #	99
73) Isopropylbenzene	10.957	105	95438	19.243	ug/l	99
74) N-amyl acetate	10.841	43	46172	19.840	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	36874	20.260	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	30844m	20.855	ug/l	
77) Bromobenzene	11.195	156	22198	18.969	ug/l	96
78) n-propylbenzene	11.305	91	107961	19.270	ug/l	98
79) 2-Chlorotoluene	11.360	91	68938	19.321	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	77884	19.421	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8542	19.765	ug/l #	84
82) 4-Chlorotoluene	11.451	91	74239	19.091	ug/l	100
83) tert-Butylbenzene	11.713	119	77720	18.862	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	78682	19.499	ug/l	99
85) sec-Butylbenzene	11.890	105	95647	19.378	ug/l	99
86) p-Isopropyltoluene	12.006	119	77463	19.420	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	39937	19.131	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	39814	18.851	ug/l	98
89) n-Butylbenzene	12.329	91	66130	19.249	ug/l	99
90) Hexachloroethane	12.536	117	13200	18.296	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	40378	19.281	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7381	20.816	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	22420	18.802	ug/l	100
94) Hexachlorobutadiene	13.725	225	9307	19.038	ug/l	99
95) Naphthalene	13.774	128	86703	18.925	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	22926	18.225	ug/l	98

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

