

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
 Data File : VX045103.D
 Acq On : 03 Mar 2025 10:37
 Operator : JC/MD
 Sample : VX0303WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0303WBS01

Manual Integrations
 APPROVED

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

Quant Time: Mar 04 05:18:53 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	102460	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.751	114	180548	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	158197	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	74771	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	75179	46.128	ug/l	-0.01
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.260%		
35) Dibromofluoromethane	5.373	113	58796	48.701	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.400%		
50) Toluene-d8	8.641	98	219153	50.071	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.140%		
62) 4-Bromofluorobenzene	11.079	95	75163	51.824	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	103.640%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	25066	19.435	ug/l	94
3) Chloromethane	1.294	50	29094	18.433	ug/l	98
4) Vinyl Chloride	1.374	62	28242	18.037	ug/l	97
5) Bromomethane	1.593	94	11495	18.675	ug/l	93
6) Chloroethane	1.666	64	15886	21.996	ug/l	95
7) Trichlorofluoromethane	1.873	101	39682	19.144	ug/l	98
8) Diethyl Ether	2.130	74	14270	17.601	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	23700	19.902	ug/l	98
10) Methyl Iodide	2.440	142	26131	17.559	ug/l	99
11) Tert butyl alcohol	2.971	59	21071	68.256	ug/l	100
12) 1,1-Dichloroethene	2.312	96	22268	17.687	ug/l	98
13) Acrolein	2.233	56	31799	89.109	ug/l	99
14) Allyl chloride	2.654	41	41551	18.540	ug/l	98
15) Acrylonitrile	3.056	53	62957	76.093	ug/l	99
16) Acetone	2.373	43	67305	89.008	ug/l	100
17) Carbon Disulfide	2.501	76	61674	18.392	ug/l	98
18) Methyl Acetate	2.697	43	26896	14.785	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	71057	16.822	ug/l	99
20) Methylene Chloride	2.782	84	25326	16.908	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	23364	18.784	ug/l	98
22) Diisopropyl ether	3.751	45	81015	17.775	ug/l	89
23) Vinyl Acetate	3.709	43	330053	86.774	ug/l	99
24) 1,1-Dichloroethane	3.599	63	44488	17.416	ug/l	99
25) 2-Butanone	4.544	43	92889	81.609	ug/l	98
26) 2,2-Dichloropropane	4.464	77	32775	27.355	ug/l	96
27) cis-1,2-Dichloroethene	4.477	96	27613	17.984	ug/l	97
28) Bromochloromethane	4.879	49	17861	14.670	ug/l	99
29) Tetrahydrofuran	4.995	42	55217	72.239	ug/l	99
30) Chloroform	5.080	83	44165	17.401	ug/l	95
31) Cyclohexane	5.458	56	41419	18.680	ug/l	93
32) 1,1,1-Trichloroethane	5.361	97	37654	18.369	ug/l	99
36) 1,1-Dichloropropene	5.684	75	30245	18.268	ug/l	99
37) Ethyl Acetate	4.702	43	32745	15.349	ug/l	99
38) Carbon Tetrachloride	5.665	117	32188	19.149	ug/l	97
39) Methylcyclohexane	7.366	83	42382	21.363	ug/l	100
40) Benzene	6.025	78	96177	18.396	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	18283	15.849	ug/l	97
42) 1,2-Dichloroethane	6.074	62	33679	17.889	ug/l	99
43) Isopropyl Acetate	6.330	43	51906	16.453	ug/l	99
44) Trichloroethene	7.116	130	22974	18.714	ug/l	98
45) 1,2-Dichloropropane	7.421	63	23098	17.183	ug/l	97
46) Dibromomethane	7.574	93	17534	18.455	ug/l	97
47) Bromodichloromethane	7.811	83	33516	17.984	ug/l	98
48) Methyl methacrylate	7.690	41	25776	16.286	ug/l	98
49) 1,4-Dioxane	7.659	88	10856	325.173	ug/l	97
51) 4-Methyl-2-Pentanone	8.567	43	173684	81.995	ug/l	100
52) Toluene	8.714	92	59364	19.353	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	30489	19.569	ug/l	95
54) cis-1,3-Dichloropropene	8.360	75	35606	19.598	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	22414	17.749	ug/l	98
56) Ethyl methacrylate	9.110	69	32981	17.182	ug/l	97
57) 1,3-Dichloropropane	9.305	76	40191	18.391	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.232	63	64078	68.432	ug/l	99
59) 2-Hexanone	9.427	43	130199	84.835	ug/l	100
60) Dibromochloromethane	9.512	129	25034	18.960	ug/l	100
61) 1,2-Dibromoethane	9.604	107	22726	18.027	ug/l	98
64) Tetrachloroethene	9.268	164	20077	19.816	ug/l	96
65) Chlorobenzene	10.073	112	64145	19.163	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	20407	18.306	ug/l	98
67) Ethyl Benzene	10.189	91	111695	19.150	ug/l	98
68) m/p-Xylenes	10.299	106	84625	39.633	ug/l	99
69) o-Xylene	10.640	106	41466	19.255	ug/l	99
70) Styrene	10.652	104	68447	19.643	ug/l	99
71) Bromoform	10.799	173	15201	18.083	ug/l #	100
73) Isopropylbenzene	10.957	105	108287	18.555	ug/l	98
74) N-amyl acetate	10.841	43	45473	16.605	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	34485	16.102	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	28826m	16.564	ug/l	
77) Bromobenzene	11.195	156	25018	18.169	ug/l	98
78) n-propylbenzene	11.299	91	125099	18.976	ug/l	100
79) 2-Chlorotoluene	11.360	91	76201	18.149	ug/l	99
80) 1,3,5-Trimethylbenzene	11.445	105	90205	19.116	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	8298	16.317	ug/l	94
82) 4-Chlorotoluene	11.451	91	87488	19.119	ug/l	99
83) tert-Butylbenzene	11.713	119	90963	18.761	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	90800	19.123	ug/l	100
85) sec-Butylbenzene	11.890	105	114262	19.673	ug/l	99
86) p-Isopropyltoluene	12.006	119	94107	20.050	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	47471	19.325	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	46996	18.910	ug/l	97
89) n-Butylbenzene	12.329	91	83532	20.663	ug/l	99
90) Hexachloroethane	12.536	117	15374	18.109	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	46628	18.922	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	6641	15.917	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	27198	19.384	ug/l	98
94) Hexachlorobutadiene	13.719	225	11655	20.261	ug/l	98
95) Naphthalene	13.774	128	93249	17.297	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	27931	18.870	ug/l	97

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

