

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
 Data File : VX045186.D
 Acq On : 10 Mar 2025 11:20
 Operator : JC/MD
 Sample : VX0310WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0310WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/11/2025
 Supervised By : Mahesh Dadoda 03/11/2025

Quant Time: Mar 11 03:51:31 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	5.543	168	104404	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	186124	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	161878	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	74969	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	79937	48.135	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.260%		
35) Dibromofluoromethane	5.385	113	62021	49.834	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.660%		
50) Toluene-d8	8.647	98	221802	49.159	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.320%		
62) 4-Bromofluorobenzene	11.079	95	77677	51.953	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	103.900%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	25480	19.388	ug/l	91
3) Chloromethane	1.306	50	30120	18.728	ug/l	94
4) Vinyl Chloride	1.373	62	27203	17.050	ug/l	99
5) Bromomethane	1.593	94	11257	17.948	ug/l	98
6) Chloroethane	1.666	64	15093	20.509	ug/l	97
7) Trichlorofluoromethane	1.873	101	39363	18.637	ug/l	98
8) Diethyl Ether	2.136	74	13933	16.866	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.318	101	24695	20.351	ug/l	98
10) Methyl Iodide	2.446	142	29249	19.288	ug/l	99
11) Tert butyl alcohol	2.983	59	24519	77.946	ug/l	99
12) 1,1-Dichloroethene	2.306	96	23946	18.665	ug/l	98
13) Acrolein	2.233	56	25651	70.542	ug/l	99
14) Allyl chloride	2.654	41	44610	19.535	ug/l	100
15) Acrylonitrile	3.062	53	80059	94.962	ug/l	98
16) Acetone	2.385	43	67362	87.425	ug/l	99
17) Carbon Disulfide	2.501	76	58757	17.196	ug/l	98
18) Methyl Acetate	2.703	43	38051	20.528	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	80687	18.746	ug/l	99
20) Methylene Chloride	2.788	84	28222	18.491	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	23289	18.375	ug/l	99
22) Diisopropyl ether	3.763	45	89520	19.275	ug/l	95
23) Vinyl Acetate	3.721	43	369903	95.441	ug/l	99
24) 1,1-Dichloroethane	3.605	63	48546	18.651	ug/l	99
25) 2-Butanone	4.562	43	109232	94.181	ug/l	97
26) 2,2-Dichloropropane	4.470	77	33647	27.560	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	29880	19.098	ug/l	97
28) Bromochloromethane	4.891	49	20590	16.596	ug/l	100
29) Tetrahydrofuran	5.007	42	70531	90.555	ug/l	100
30) Chloroform	5.086	83	47832	18.495	ug/l	98
31) Cyclohexane	5.464	56	42654	18.878	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	39615	18.966	ug/l	98
36) 1,1-Dichloropropene	5.690	75	32267	18.905	ug/l	99
37) Ethyl Acetate	4.714	43	39137	17.795	ug/l	100
38) Carbon Tetrachloride	5.671	117	33546	19.359	ug/l	98
39) Methylcyclohexane	7.378	83	41286	20.187	ug/l	97
40) Benzene	6.031	78	103744	19.249	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	22303	18.755	ug/l	96
42) 1,2-Dichloroethane	6.086	62	37579	19.362	ug/l	99
43) Isopropyl Acetate	6.336	43	64125	19.718	ug/l	99
44) Trichloroethene	7.122	130	23972	18.942	ug/l	91
45) 1,2-Dichloropropane	7.427	63	26718	19.281	ug/l	95
46) Dibromomethane	7.580	93	19155	19.557	ug/l	97
47) Bromodichloromethane	7.817	83	37100	19.311	ug/l	98
48) Methyl methacrylate	7.696	41	31537	19.329	ug/l	100
49) 1,4-Dioxane	7.665	88	12191	354.221	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	219362	100.457	ug/l	100
52) Toluene	8.714	92	61445	19.431	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	31894	19.858	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	38485	20.549	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	24738	19.003	ug/l	96
56) Ethyl methacrylate	9.116	69	39475	19.949	ug/l	98
57) 1,3-Dichloropropane	9.305	76	43395	19.262	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	90184	93.427	ug/l	98
59) 2-Hexanone	9.427	43	160886	101.689	ug/l	99
60) Dibromochloromethane	9.518	129	26805	19.693	ug/l	99
61) 1,2-Dibromoethane	9.610	107	25223	19.408	ug/l	98
64) Tetrachloroethene	9.268	164	20281	19.562	ug/l	98
65) Chlorobenzene	10.079	112	68266	19.930	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.158	131	21711	19.033	ug/l	99
67) Ethyl Benzene	10.189	91	117938	19.760	ug/l	100
68) m/p-Xylenes	10.299	106	88499	40.505	ug/l	99
69) o-Xylene	10.640	106	43660	19.813	ug/l	98
70) Styrene	10.652	104	72752	20.404	ug/l	100
71) Bromoform	10.799	173	17262	20.068	ug/l #	100
73) Isopropylbenzene	10.963	105	113373	19.375	ug/l	100
74) N-amyl acetate	10.841	43	53626	19.531	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	40510	18.866	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	36475m	20.904	ug/l	
77) Bromobenzene	11.195	156	27133	19.653	ug/l	99
78) n-propylbenzene	11.305	91	132378	20.027	ug/l	99
79) 2-Chlorotoluene	11.359	91	80667	19.162	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	95140	20.108	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	10209	20.022	ug/l	94
82) 4-Chlorotoluene	11.451	91	89366	19.478	ug/l	99
83) tert-Butylbenzene	11.713	119	94493	19.437	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	96117	20.190	ug/l	99
85) sec-Butylbenzene	11.890	105	118612	20.368	ug/l	100
86) p-Isopropyltoluene	12.006	119	96823	20.574	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	48722	19.782	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	47601	19.103	ug/l	96
89) n-Butylbenzene	12.329	91	83410	20.579	ug/l	99
90) Hexachloroethane	12.536	117	16215	19.049	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	48277	19.540	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	7713	18.437	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	26788	19.041	ug/l	98
94) Hexachlorobutadiene	13.725	225	11700	20.285	ug/l	98
95) Naphthalene	13.774	128	102523	18.968	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	28112	18.942	ug/l	99

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

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