

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100625\
 Data File : VX048012.D
 Acq On : 06 Oct 2025 10:44
 Operator : JC/MD
 Sample : VX1006WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1006WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/07/2025
 Supervised By : Mahesh Dadoda 10/07/2025

Quant Time: Oct 07 02:07:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.532	168	161572	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	279584	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	252953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	127279	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	116991	45.490	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.980%		
35) Dibromofluoromethane	5.367	113	91570	48.836	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.680%		
50) Toluene-d8	8.629	98	312279	48.132	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.260%		
62) 4-Bromofluorobenzene	11.061	95	118209	48.007	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.020%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	28339	16.938	ug/l	98
3) Chloromethane	1.301	50	32948	14.984	ug/l	96
4) Vinyl Chloride	1.380	62	35259	16.381	ug/l	96
5) Bromomethane	1.618	94	19378	14.197	ug/l	97
6) Chloroethane	1.697	64	23857	16.583	ug/l	97
7) Trichlorofluoromethane	1.892	101	55224	17.279	ug/l	98
8) Diethyl Ether	2.136	74	20952	16.026	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	33491	17.921	ug/l	98
10) Methyl Iodide	2.453	142	36349	12.471	ug/l	97
11) Tert butyl alcohol	2.941	59	21556	75.257	ug/l	98
12) 1,1-Dichloroethene	2.325	96	31910	16.623	ug/l	97
13) Acrolein	2.233	56	45868	173.774	ug/l	98
14) Allyl chloride	2.660	41	60207	15.199	ug/l	98
15) Acrylonitrile	3.056	53	88557	83.469	ug/l	99
16) Acetone	2.374	43	89267	79.828	ug/l	98
17) Carbon Disulfide	2.514	76	80932	15.400	ug/l	98
18) Methyl Acetate	2.697	43	44509	17.885	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	113169	16.150	ug/l	100
20) Methylene Chloride	2.788	84	38687	16.344	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	33602	16.259	ug/l	93
22) Diisopropyl ether	3.745	45	128961	16.798	ug/l #	84
23) Vinyl Acetate	3.709	43	488010	79.425	ug/l	99
24) 1,1-Dichloroethane	3.605	63	67951	16.653	ug/l	99
25) 2-Butanone	4.538	43	112069	80.344	ug/l	99
26) 2,2-Dichloropropane	4.459	77	58930	17.374	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	41967	16.581	ug/l	99
28) Bromochloromethane	4.885	49	35059	19.681	ug/l	99
29) Tetrahydrofuran	4.983	42	65590	78.166	ug/l	98
30) Chloroform	5.080	83	73200	17.753	ug/l	100
31) Cyclohexane	5.458	56	53449	15.727	ug/l	95
32) 1,1,1-Trichloroethane	5.367	97	62398	17.841	ug/l	100
36) 1,1-Dichloropropene	5.672	75	46309	16.902	ug/l	99
37) Ethyl Acetate	4.696	43	41216	14.049	ug/l #	94
38) Carbon Tetrachloride	5.660	117	53224	17.879	ug/l	97
39) Methylcyclohexane	7.360	83	50045	16.091	ug/l	99
40) Benzene	6.019	78	143089	17.195	ug/l	100

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41) Methacrylonitrile	4.898	41	26511	17.505	ug/l	98
42) 1,2-Dichloroethane	6.068	62	53439	16.877	ug/l	98
43) Isopropyl Acetate	6.318	43	77039	16.012	ug/l	99
44) Trichloroethene	7.111	130	35129	17.461	ug/l	94
45) 1,2-Dichloropropane	7.409	63	37447	17.574	ug/l	98
46) Dibromomethane	7.568	93	26151	16.865	ug/l	97
47) Bromodichloromethane	7.806	83	58571	18.304	ug/l	95
48) Methyl methacrylate	7.677	41	37922	15.823	ug/l	98
49) 1,4-Dioxane	7.641	88	9177	378.902	ug/l	95
51) 4-Methyl-2-Pentanone	8.555	43	231004	86.596	ug/l	98
52) Toluene	8.702	92	88635	17.288	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	55081	16.876	ug/l	95
54) cis-1,3-Dichloropropene	8.348	75	60836	17.439	ug/l	98
55) 1,1,2-Trichloroethane	9.135	97	35766	18.092	ug/l	99
56) Ethyl methacrylate	9.098	69	51061	16.446	ug/l	96
57) 1,3-Dichloropropane	9.293	76	60732	17.883	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	126753	92.697	ug/l	99
59) 2-Hexanone	9.415	43	161588	84.341	ug/l	100
60) Dibromochloromethane	9.506	129	42359	18.596	ug/l	99
61) 1,2-Dibromoethane	9.592	107	36472	18.113	ug/l	100
64) Tetrachloroethene	9.256	164	28085	17.032	ug/l	98
65) Chlorobenzene	10.061	112	100239	17.443	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	35674	17.990	ug/l	98
67) Ethyl Benzene	10.177	91	167979	16.941	ug/l	99
68) m/p-Xylenes	10.287	106	128577	34.839	ug/l	99
69) o-Xylene	10.622	106	61323	17.179	ug/l	98
70) Styrene	10.640	104	105612	16.885	ug/l	99
71) Bromoform	10.781	173	26380	17.816	ug/l #	98
73) Isopropylbenzene	10.945	105	161115	16.650	ug/l	99
74) N-amyl acetate	10.823	43	66913	15.164	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	50472	17.240	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	43961m	17.059	ug/l	
77) Bromobenzene	11.183	156	39566	16.602	ug/l	96
78) n-propylbenzene	11.287	91	191983	16.783	ug/l	100
79) 2-Chlorotoluene	11.348	91	117227	16.732	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	133289	16.766	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	14175	14.027	ug/l	97
82) 4-Chlorotoluene	11.439	91	138319	16.716	ug/l	98
83) tert-Butylbenzene	11.695	119	136717	16.799	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	134869	16.733	ug/l	99
85) sec-Butylbenzene	11.872	105	168003	17.379	ug/l	99
86) p-Isopropyltoluene	11.988	119	138026	16.866	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	75516	17.059	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	76574	16.854	ug/l	98
89) n-Butylbenzene	12.317	91	130558	17.241	ug/l	97
90) Hexachloroethane	12.518	117	26136	18.190	ug/l	96
91) 1,2-Dichlorobenzene	12.317	146	70215	16.649	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.920	75	9334	15.747	ug/l	99
93) 1,2,4-Trichlorobenzene	13.567	180	43574	15.898	ug/l	100
94) Hexachlorobutadiene	13.707	225	16905	18.158	ug/l	97
95) Naphthalene	13.756	128	123174	14.758	ug/l	99
96) 1,2,3-Trichlorobenzene	13.939	180	41096	16.118	ug/l	98

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

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