

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100925\
 Data File : VX048079.D
 Acq On : 09 Oct 2025 12:31
 Operator : JC/MD
 Sample : VX1009WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1009WBS01

Manual Integrations
 APPROVED

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

Quant Time: Oct 10 01:20:48 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	5.538	168	126560	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	231713	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	223649	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	121895	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	112595	55.892	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.780%			
35) Dibromofluoromethane	5.373	113	84930	54.653	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.300%			
50) Toluene-d8	8.635	98	276720	51.462	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.920%			
62) 4-Bromofluorobenzene	11.061	95	116318	56.999	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 114.000%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	21771	16.612	ug/l	97
3) Chloromethane	1.301	50	26062	15.131	ug/l	96
4) Vinyl Chloride	1.380	62	28670	17.004	ug/l	98
5) Bromomethane	1.624	94	19827	18.545	ug/l	88
6) Chloroethane	1.697	64	20540	18.227	ug/l	97
7) Trichlorofluoromethane	1.898	101	47079	18.806	ug/l	98
8) Diethyl Ether	2.136	74	19540	19.080	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	27997	19.126	ug/l	98
10) Methyl Iodide	2.459	142	26744	11.714	ug/l	97
11) Tert butyl alcohol	2.934	59	17405	77.575	ug/l	97
12) 1,1-Dichloroethene	2.325	96	26221	17.438	ug/l	95
13) Acrolein	2.239	56	20777	100.491	ug/l	96
14) Allyl chloride	2.666	41	55211	17.794	ug/l	100
15) Acrylonitrile	3.062	53	82083	98.769	ug/l	99
16) Acetone	2.374	43	74616	85.186	ug/l	100
17) Carbon Disulfide	2.520	76	59995	14.575	ug/l	99
18) Methyl Acetate	2.703	43	42088	21.591	ug/l	97
19) Methyl tert-butyl Ether	3.105	73	109705	19.986	ug/l	98
20) Methylene Chloride	2.794	84	36067	19.453	ug/l	88
21) trans-1,2-Dichloroethene	3.093	96	29484	18.213	ug/l	94
22) Diisopropyl ether	3.757	45	123282	20.501	ug/l	96
23) Vinyl Acetate	3.715	43	469442	97.540	ug/l	99
24) 1,1-Dichloroethane	3.611	63	64646	20.226	ug/l	99
25) 2-Butanone	4.550	43	98949	90.563	ug/l	99
26) 2,2-Dichloropropane	4.465	77	51706	19.461	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	39084	19.714	ug/l	99
28) Bromochloromethane	4.885	49	30754	22.040	ug/l	95
29) Tetrahydrofuran	4.989	42	59688	90.810	ug/l	99
30) Chloroform	5.080	83	68951	21.348	ug/l	97
31) Cyclohexane	5.464	56	43349	16.284	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	55993	20.438	ug/l	97
36) 1,1-Dichloropropene	5.684	75	39943	17.590	ug/l	99
37) Ethyl Acetate	4.702	43	43140	17.743	ug/l	98
38) Carbon Tetrachloride	5.666	117	47094	19.088	ug/l	92
39) Methylcyclohexane	7.367	83	40172	15.585	ug/l	95
40) Benzene	6.025	78	130708	18.952	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	23254	18.526	ug/l	99
42) 1,2-Dichloroethane	6.074	62	52225	19.902	ug/l	100
43) Isopropyl Acetate	6.324	43	74216	18.612	ug/l	100
44) Trichloroethene	7.110	130	32022	19.205	ug/l	95
45) 1,2-Dichloropropane	7.415	63	36889	20.888	ug/l	100
46) Dibromomethane	7.568	93	25576	19.901	ug/l	97
47) Bromodichloromethane	7.805	83	56173	21.182	ug/l	97
48) Methyl methacrylate	7.677	41	35564	17.905	ug/l	97
49) 1,4-Dioxane	7.647	88	8144	405.719	ug/l	95
51) 4-Methyl-2-Pentanone	8.555	43	217633	98.438	ug/l	98
52) Toluene	8.708	92	82275	19.363	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	52822	19.527	ug/l	98
54) cis-1,3-Dichloropropene	8.354	75	57685	19.952	ug/l	98
55) 1,1,2-Trichloroethane	9.135	97	35578	21.714	ug/l	99
56) Ethyl methacrylate	9.104	69	48812	18.970	ug/l	97
57) 1,3-Dichloropropane	9.293	76	60358	21.445	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.226	63	117616	102.692	ug/l	100
59) 2-Hexanone	9.415	43	145127	91.399	ug/l	100
60) Dibromochloromethane	9.506	129	41058	21.748	ug/l	98
61) 1,2-Dibromoethane	9.592	107	34647	20.761	ug/l	99
64) Tetrachloroethene	9.256	164	24535	16.828	ug/l	95
65) Chlorobenzene	10.061	112	94871	18.672	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.147	131	34970	19.946	ug/l	98
67) Ethyl Benzene	10.177	91	155007	17.681	ug/l	97
68) m/p-Xylenes	10.287	106	117522	36.016	ug/l	99
69) o-Xylene	10.628	106	57231	18.133	ug/l	99
70) Styrene	10.640	104	102883	18.604	ug/l	98
71) Bromoform	10.781	173	26005	19.864	ug/l #	98
73) Isopropylbenzene	10.945	105	149939	16.180	ug/l	100
74) N-amyl acetate	10.829	43	64823	15.339	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	50039	17.847	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	42721m	17.310	ug/l	
77) Bromobenzene	11.183	156	38621	16.921	ug/l	97
78) n-propylbenzene	11.287	91	174546	15.933	ug/l	99
79) 2-Chlorotoluene	11.348	91	109907	16.380	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	122092	16.036	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	13653	14.107	ug/l	96
82) 4-Chlorotoluene	11.439	91	130707	16.494	ug/l	100
83) tert-Butylbenzene	11.695	119	127011	16.296	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	125493	16.257	ug/l	100
85) sec-Butylbenzene	11.872	105	149071	16.102	ug/l	100
86) p-Isopropyltoluene	11.994	119	125124	15.964	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	71287	16.815	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	73197	16.822	ug/l	99
89) n-Butylbenzene	12.317	91	114114	15.735	ug/l	99
90) Hexachloroethane	12.518	117	23629	17.171	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	68474	16.953	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.927	75	8894	15.668	ug/l	99
93) 1,2,4-Trichlorobenzene	13.567	180	39829	15.173	ug/l	99
94) Hexachlorobutadiene	13.707	225	14457	16.214	ug/l	97
95) Naphthalene	13.756	128	117029	14.641	ug/l	100
96) 1,2,3-Trichlorobenzene	13.945	180	38116	15.610	ug/l	99

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

