

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101025\
 Data File : VX048104.D
 Acq On : 10 Oct 2025 12:30
 Operator : JC/MD
 Sample : VX1010WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1010WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/13/2025
 Supervised By : Mahesh Dadoda 10/13/2025

Quant Time: Oct 10 22:56:27 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	5.531	168	134840	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	228857	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	211483	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	106925	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	97357	45.360	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.720%		
35) Dibromofluoromethane	5.367	113	76905	50.106	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.220%		
50) Toluene-d8	8.628	98	256541	48.305	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.620%		
62) 4-Bromofluorobenzene	11.061	95	99197	49.215	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.440%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	28850	20.662	ug/l	98
3) Chloromethane	1.301	50	32383	17.646	ug/l	97
4) Vinyl Chloride	1.380	62	34576	19.248	ug/l	98
5) Bromomethane	1.618	94	23455	20.591	ug/l	98
6) Chloroethane	1.697	64	22473	18.718	ug/l	99
7) Trichlorofluoromethane	1.898	101	52897	19.832	ug/l	98
8) Diethyl Ether	2.136	74	18576	17.025	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	31268	20.049	ug/l	98
10) Methyl Iodide	2.459	142	35393	14.551	ug/l	97
11) Tert butyl alcohol	2.934	59	16327	68.302	ug/l	97
12) 1,1-Dichloroethene	2.325	96	29613	18.485	ug/l	91
13) Acrolein	2.233	56	18504	84.002	ug/l	96
14) Allyl chloride	2.666	41	54091	16.362	ug/l	99
15) Acrylonitrile	3.056	53	69742	78.767	ug/l	99
16) Acetone	2.374	43	62604	67.084	ug/l	97
17) Carbon Disulfide	2.514	76	88507	20.181	ug/l	99
18) Methyl Acetate	2.697	43	29463	14.186	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	95154	16.271	ug/l	100
20) Methylene Chloride	2.788	84	34798	17.616	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	31520	18.275	ug/l	96
22) Diisopropyl ether	3.745	45	112690	17.589	ug/l #	85
23) Vinyl Acetate	3.709	43	433804	84.600	ug/l	99
24) 1,1-Dichloroethane	3.605	63	59603	17.503	ug/l	99
25) 2-Butanone	4.538	43	83689	71.893	ug/l	98
26) 2,2-Dichloropropane	4.458	77	49184	17.375	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	37439	17.724	ug/l	99
28) Bromochloromethane	4.879	49	36287	24.409	ug/l	99
29) Tetrahydrofuran	4.983	42	50612	72.274	ug/l	99
30) Chloroform	5.074	83	63787	18.537	ug/l	98
31) Cyclohexane	5.458	56	54472	19.206	ug/l	100
32) 1,1,1-Trichloroethane	5.367	97	53512	18.333	ug/l	98
36) 1,1-Dichloropropene	5.672	75	42353	18.884	ug/l	97
37) Ethyl Acetate	4.696	43	36873	15.355	ug/l	98
38) Carbon Tetrachloride	5.660	117	47601	19.534	ug/l	99
39) Methylcyclohexane	7.360	83	51958	20.409	ug/l	96
40) Benzene	6.019	78	130453	19.151	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	20577	16.598	ug/l	99
42) 1,2-Dichloroethane	6.068	62	48360	18.659	ug/l	98
43) Isopropyl Acetate	6.318	43	62854	15.959	ug/l	100
44) Trichloroethene	7.104	130	31046	18.852	ug/l	98
45) 1,2-Dichloropropane	7.409	63	33003	18.921	ug/l	97
46) Dibromomethane	7.568	93	24039	18.939	ug/l	99
47) Bromodichloromethane	7.805	83	49617	18.943	ug/l	100
48) Methyl methacrylate	7.677	41	31339	15.975	ug/l	99
49) 1,4-Dioxane	7.647	88	6966	351.364	ug/l #	88
51) 4-Methyl-2-Pentanone	8.555	43	177554	81.312	ug/l	98
52) Toluene	8.702	92	80356	19.147	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	48949	18.321	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	53385	18.695	ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	29866	18.456	ug/l	97
56) Ethyl methacrylate	9.098	69	42770	16.829	ug/l	98
57) 1,3-Dichloropropane	9.293	76	52782	18.987	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	104857	93.585	ug/l	99
59) 2-Hexanone	9.415	43	119953	76.487	ug/l	100
60) Dibromochloromethane	9.500	129	36421	19.533	ug/l	99
61) 1,2-Dibromoethane	9.592	107	30874	18.731	ug/l	99
64) Tetrachloroethene	9.256	164	27563	19.993	ug/l	98
65) Chlorobenzene	10.061	112	89429	18.614	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	30795	18.575	ug/l	99
67) Ethyl Benzene	10.177	91	151142	18.232	ug/l	98
68) m/p-Xylenes	10.287	106	113176	36.680	ug/l	98
69) o-Xylene	10.622	106	54224	18.169	ug/l	98
70) Styrene	10.640	104	93365	17.854	ug/l	99
71) Bromoform	10.781	173	22230	17.957	ug/l #	99
73) Isopropylbenzene	10.945	105	142292	17.504	ug/l	99
74) N-amyl acetate	10.823	43	53326	14.385	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	41760	16.979	ug/l	98
76) 1,2,3-Trichloropropane	11.219	75	35694m	16.488	ug/l	
77) Bromobenzene	11.183	156	33897	16.930	ug/l	99
78) n-propylbenzene	11.287	91	170232	17.715	ug/l	100
79) 2-Chlorotoluene	11.348	91	101673	17.275	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	118528	17.747	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.000	75	12209	14.382	ug/l	97
82) 4-Chlorotoluene	11.439	91	121212	17.437	ug/l	99
83) tert-Butylbenzene	11.695	119	118494	17.331	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	118622	17.519	ug/l	100
85) sec-Butylbenzene	11.872	105	146302	18.015	ug/l	99
86) p-Isopropyltoluene	11.994	119	121939	17.736	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	65141	17.517	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	66408	17.399	ug/l	98
89) n-Butylbenzene	12.317	91	113807	17.890	ug/l	97
90) Hexachloroethane	12.518	117	22140	18.342	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	61743	17.427	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.926	75	6910	13.877	ug/l	99
93) 1,2,4-Trichlorobenzene	13.567	180	37003	16.070	ug/l	100
94) Hexachlorobutadiene	13.707	225	14464	18.493	ug/l	98
95) Naphthalene	13.756	128	99347	14.169	ug/l	99
96) 1,2,3-Trichlorobenzene	13.945	180	34556	16.133	ug/l	98

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

