

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
 Data File : VX048530.D
 Acq On : 10 Nov 2025 11:49
 Operator : JC/MD
 Sample : VX1110WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1110WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/11/2025
 Supervised By : Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 00:43:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.537	168	140876	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	243139	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	219757	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	112690	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	112923	57.526	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.060%			
35) Dibromofluoromethane	5.367	113	86210	46.847	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.700%			
50) Toluene-d8	8.634	98	301462	52.525	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.060%			
62) 4-Bromofluorobenzene	11.061	95	109737	51.306	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.620%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	20465	17.928	ug/l	95
3) Chloromethane	1.300	50	28108	18.565	ug/l	98
4) Vinyl Chloride	1.380	62	33281	19.414	ug/l	100
5) Bromomethane	1.617	94	27830	25.710	ug/l	93
6) Chloroethane	1.697	64	24708	22.009	ug/l	98
7) Trichlorofluoromethane	1.898	101	58692	21.642	ug/l	100
8) Diethyl Ether	2.136	74	24313	22.334	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.337	101	30974	19.728	ug/l	97
10) Methyl Iodide	2.453	142	48983	21.081	ug/l	98
11) Tert butyl alcohol	2.940	59	37344	100.397	ug/l	98
12) 1,1-Dichloroethene	2.325	96	32639	19.903	ug/l	98
13) Acrolein	2.233	56	5691	105.745	ug/l	94
14) Allyl chloride	2.666	41	59200	19.389	ug/l	92
15) Acrylonitrile	3.056	53	109426	100.774	ug/l	98
16) Acetone	2.373	43	108636	116.915	ug/l	95
17) Carbon Disulfide	2.520	76	81890	17.745	ug/l	99
18) Methyl Acetate	2.703	43	50530	19.788	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	119617	20.655	ug/l	98
20) Methylene Chloride	2.788	84	35802	18.741	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	33527	19.289	ug/l	96
22) Diisopropyl ether	3.751	45	121948	20.800	ug/l	96
23) Vinyl Acetate	3.715	43	540649	105.290	ug/l	98
24) 1,1-Dichloroethane	3.611	63	63280	19.670	ug/l	98
25) 2-Butanone	4.538	43	149594	108.829	ug/l	96
26) 2,2-Dichloropropane	4.464	77	52756	19.236	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	40032	18.842	ug/l	94
28) Bromochloromethane	4.885	49	31225	19.758	ug/l	94
29) Tetrahydrofuran	4.989	42	100790	102.807	ug/l	98
30) Chloroform	5.080	83	67008	20.176	ug/l	99
31) Cyclohexane	5.458	56	49378	18.733	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	56902	19.632	ug/l	97
36) 1,1-Dichloropropene	5.684	75	42403	17.208	ug/l	97
37) Ethyl Acetate	4.702	43	64757	18.669	ug/l	98
38) Carbon Tetrachloride	5.672	117	49963	17.812	ug/l	96
39) Methylcyclohexane	7.366	83	46942	16.966	ug/l	96
40) Benzene	6.025	78	136004	17.805	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.903	41	30559	20.033	ug/l	97
42) 1,2-Dichloroethane	6.074	62	54010	20.637	ug/l	98
43) Isopropyl Acetate	6.324	43	95792	19.646	ug/l	95
44) Trichloroethene	7.116	130	33906	18.571	ug/l	90
45) 1,2-Dichloropropane	7.415	63	35014	19.936	ug/l	98
46) Dibromomethane	7.568	93	26435	20.637	ug/l	95
47) Bromodichloromethane	7.805	83	53791	21.049	ug/l	100
48) Methyl methacrylate	7.677	41	45697	21.083	ug/l	91
49) 1,4-Dioxane	7.641	88	13171	398.794	ug/l #	95
51) 4-Methyl-2-Pentanone	8.555	43	317570	114.420	ug/l	95
52) Toluene	8.708	92	83086	20.661	ug/l	96
53) t-1,3-Dichloropropene	8.964	75	54951	20.869	ug/l	97
54) cis-1,3-Dichloropropene	8.354	75	57267	21.003	ug/l	96
55) 1,1,2-Trichloroethane	9.134	97	35527	22.112	ug/l	99
56) Ethyl methacrylate	9.098	69	57047	21.341	ug/l #	90
57) 1,3-Dichloropropane	9.293	76	59519	21.283	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	153306	106.674	ug/l	98
59) 2-Hexanone	9.415	43	236842	114.718	ug/l	94
60) Dibromochloromethane	9.506	129	42051	21.317	ug/l	97
61) 1,2-Dibromoethane	9.592	107	37617	21.616	ug/l	99
64) Tetrachloroethene	9.256	164	27696	17.352	ug/l	97
65) Chlorobenzene	10.061	112	94188	18.058	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	33736	19.303	ug/l	100
67) Ethyl Benzene	10.177	91	157222	17.950	ug/l	100
68) m/p-Xylenes	10.287	106	122112	37.017	ug/l	96
69) o-Xylene	10.622	106	57684	17.873	ug/l	98
70) Styrene	10.640	104	100637	18.588	ug/l	98
71) Bromoform	10.780	173	29557	18.331	ug/l #	97
73) Isopropylbenzene	10.945	105	147698	18.057	ug/l	99
74) N-amyl acetate	10.829	43	79273	19.301	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.195	83	54036	18.733	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	49521m	18.241	ug/l	
77) Bromobenzene	11.183	156	37944	17.964	ug/l	94
78) n-propylbenzene	11.286	91	171824	17.865	ug/l	99
79) 2-Chlorotoluene	11.347	91	106362	18.301	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	120383	18.053	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	16605	17.495	ug/l #	87
82) 4-Chlorotoluene	11.439	91	123465	18.110	ug/l	97
83) tert-Butylbenzene	11.695	119	122800	17.805	ug/l	96
84) 1,2,4-Trimethylbenzene	11.731	105	122630	18.227	ug/l	99
85) sec-Butylbenzene	11.872	105	148702	17.444	ug/l	100
86) p-Isopropyltoluene	11.994	119	126116	17.598	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	71129	17.967	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	74145	18.133	ug/l	97
89) n-Butylbenzene	12.317	91	117045	17.410	ug/l	98
90) Hexachloroethane	12.518	117	24315	17.808	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	68691	18.075	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	13477	20.104	ug/l	91
93) 1,2,4-Trichlorobenzene	13.567	180	54218	21.469	ug/l	98
94) Hexachlorobutadiene	13.707	225	19374	18.352	ug/l	96
95) Naphthalene	13.755	128	173039	21.312	ug/l	100
96) 1,2,3-Trichlorobenzene	13.944	180	41268	17.568	ug/l	99

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

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