

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100925\
 Data File : VX048080.D
 Acq On : 09 Oct 2025 12:58
 Operator : JC/MD
 Sample : VX1009WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1009WBS02

Manual Integrations
 APPROVED

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

Quant Time: Oct 10 01:21:48 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	129714	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	229549	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	210518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	106240	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	102712	49.746	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.500%		
35) Dibromofluoromethane	5.367	113	80378	52.211	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.420%		
50) Toluene-d8	8.629	98	269005	50.499	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.000%		
62) 4-Bromofluorobenzene	11.061	95	102981	50.939	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.880%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.173	85	21584	16.069	ug/l	98
3) Chloromethane	1.301	50	24547	13.905	ug/l	97
4) Vinyl Chloride	1.380	62	27856	16.120	ug/l	97
5) Bromomethane	1.618	94	19147	17.473	ug/l	96
6) Chloroethane	1.697	64	19074	16.515	ug/l	95
7) Trichlorofluoromethane	1.898	101	46787	18.235	ug/l	96
8) Diethyl Ether	2.136	74	18485	17.611	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.337	101	28170	18.776	ug/l	98
10) Methyl Iodide	2.453	142	27157	11.606	ug/l	99
11) Tert butyl alcohol	2.934	59	16846	73.258	ug/l	99
12) 1,1-Dichloroethene	2.325	96	26311	17.072	ug/l	97
13) Acrolein	2.233	56	18402	86.840	ug/l	100
14) Allyl chloride	2.666	41	52414	16.481	ug/l	99
15) Acrylonitrile	3.056	53	78087	91.676	ug/l	99
16) Acetone	2.374	43	66982	74.611	ug/l	100
17) Carbon Disulfide	2.514	76	58292	13.816	ug/l	99
18) Methyl Acetate	2.697	43	40023	20.032	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	103446	18.388	ug/l	97
20) Methylene Chloride	2.788	84	34595	18.205	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	28050	16.906	ug/l	97
22) Diisopropyl ether	3.745	45	120547	19.559	ug/l #	81
23) Vinyl Acetate	3.709	43	445183	90.250	ug/l	100
24) 1,1-Dichloroethane	3.605	63	62629	19.118	ug/l	97
25) 2-Butanone	4.532	43	91099	81.351	ug/l	96
26) 2,2-Dichloropropane	4.459	77	50719	18.626	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	37847	18.626	ug/l	99
28) Bromochloromethane	4.885	49	30718	21.479	ug/l	100
29) Tetrahydrofuran	4.989	42	53458	79.354	ug/l	97
30) Chloroform	5.074	83	67333	20.340	ug/l	98
31) Cyclohexane	5.458	56	41821	15.328	ug/l	95
32) 1,1,1-Trichloroethane	5.367	97	53977	19.223	ug/l	99
36) 1,1-Dichloropropene	5.678	75	39015	17.343	ug/l	99
37) Ethyl Acetate	4.690	43	39152	16.255	ug/l	98
38) Carbon Tetrachloride	5.660	117	46059	18.844	ug/l	95
39) Methylcyclohexane	7.367	83	41566	16.278	ug/l	96
40) Benzene	6.019	78	126209	18.472	ug/l	98

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41) Methacrylonitrile	4.898	41	22458	18.061	ug/l	96
42) 1,2-Dichloroethane	6.068	62	50893	19.577	ug/l	99
43) Isopropyl Acetate	6.318	43	69882	17.690	ug/l	99
44) Trichloroethene	7.111	130	29994	18.158	ug/l	92
45) 1,2-Dichloropropane	7.415	63	34821	19.903	ug/l	99
46) Dibromomethane	7.568	93	25178	19.776	ug/l	99
47) Bromodichloromethane	7.806	83	55086	20.968	ug/l	97
48) Methyl methacrylate	7.678	41	33948	17.253	ug/l	98
49) 1,4-Dioxane	7.647	88	7523	378.315	ug/l #	93
51) 4-Methyl-2-Pentanone	8.555	43	202694	92.545	ug/l	98
52) Toluene	8.702	92	78926	18.750	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	51314	19.149	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	55205	19.274	ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	33868	20.866	ug/l	97
56) Ethyl methacrylate	9.098	69	47295	18.554	ug/l	98
57) 1,3-Dichloropropane	9.293	76	57306	20.552	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	108752	96.460	ug/l	99
59) 2-Hexanone	9.415	43	134364	85.418	ug/l	100
60) Dibromochloromethane	9.506	129	40093	21.437	ug/l	99
61) 1,2-Dibromoethane	9.592	107	32805	19.843	ug/l	99
64) Tetrachloroethene	9.256	164	24302	17.708	ug/l	99
65) Chlorobenzene	10.061	112	90817	18.989	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.147	131	33895	20.538	ug/l	99
67) Ethyl Benzene	10.177	91	149105	18.069	ug/l	100
68) m/p-Xylenes	10.287	106	111970	36.455	ug/l	99
69) o-Xylene	10.622	106	54293	18.276	ug/l	100
70) Styrene	10.640	104	97589	18.748	ug/l	98
71) Bromoform	10.781	173	24332	19.745	ug/l #	99
73) Isopropylbenzene	10.945	105	144534	17.894	ug/l	99
74) N-amyl acetate	10.823	43	60457	16.414	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	46541	19.045	ug/l	98
76) 1,2,3-Trichloropropane	11.220	75	40410m	18.786	ug/l	
77) Bromobenzene	11.177	156	37338	18.769	ug/l	98
78) n-propylbenzene	11.287	91	171804	17.994	ug/l	100
79) 2-Chlorotoluene	11.348	91	108495	18.553	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	120277	18.125	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	13429	15.921	ug/l	98
82) 4-Chlorotoluene	11.433	91	126573	18.326	ug/l	100
83) tert-Butylbenzene	11.695	119	123940	18.245	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	120748	17.948	ug/l	99
85) sec-Butylbenzene	11.872	105	149418	18.518	ug/l	99
86) p-Isopropyltoluene	11.988	119	126965	18.586	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	69090	18.698	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	70133	18.493	ug/l	99
89) n-Butylbenzene	12.311	91	113886	18.017	ug/l	98
90) Hexachloroethane	12.518	117	23096	19.257	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	66892	19.002	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.927	75	7800	15.765	ug/l	95
93) 1,2,4-Trichlorobenzene	13.567	180	40263	17.599	ug/l	99
94) Hexachlorobutadiene	13.707	225	14821	19.072	ug/l	97
95) Naphthalene	13.756	128	111889	16.061	ug/l	99
96) 1,2,3-Trichlorobenzene	13.945	180	37893	17.805	ug/l	99

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

