

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
 Data File : VX047726.D
 Acq On : 23 Sep 2025 12:43
 Operator : JC/MD
 Sample : VX0923WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0923WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/24/2025
 Supervised By : Mahesh Dadoda 09/26/2025

Quant Time: Sep 24 01:30:21 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	155592	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	280393	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	255011	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	125890	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	126171	50.945	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.880%			
35) Dibromofluoromethane	5.373	113	96808	51.481	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.960%			
50) Toluene-d8	8.635	98	334364	51.387	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.780%			
62) 4-Bromofluorobenzene	11.061	95	128004	51.835	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.680%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.179	85	39017	24.216	ug/l	99
3) Chloromethane	1.301	50	48064	22.698	ug/l	98
4) Vinyl Chloride	1.380	62	45963	22.174	ug/l	95
5) Bromomethane	1.618	94	31960	24.315	ug/l	98
6) Chloroethane	1.697	64	29883	21.570	ug/l	96
7) Trichlorofluoromethane	1.898	101	64722	21.029	ug/l	98
8) Diethyl Ether	2.136	74	27131	21.550	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	38536	21.413	ug/l	97
10) Methyl Iodide	2.459	142	57685	20.553	ug/l	100
11) Tert butyl alcohol	2.941	59	28349	102.777	ug/l	100
12) 1,1-Dichloroethene	2.325	96	38989	21.091	ug/l	94
13) Acrolein	2.240	56	26709	105.078	ug/l	97
14) Allyl chloride	2.666	41	78379	20.547	ug/l	97
15) Acrylonitrile	3.056	53	116398	113.926	ug/l	99
16) Acetone	2.374	43	106552	98.948	ug/l	95
17) Carbon Disulfide	2.520	76	110992	21.932	ug/l	99
18) Methyl Acetate	2.703	43	53997	22.531	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	146065	21.645	ug/l	100
20) Methylene Chloride	2.788	84	50708	22.246	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	42856	21.533	ug/l	97
22) Diisopropyl ether	3.751	45	161178	21.802	ug/l #	83
23) Vinyl Acetate	3.715	43	658651	111.318	ug/l	99
24) 1,1-Dichloroethane	3.605	63	84487	21.501	ug/l	99
25) 2-Butanone	4.544	43	150319	111.908	ug/l	96
26) 2,2-Dichloropropane	4.465	77	67829	20.766	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	53714	22.038	ug/l	98
28) Bromochloromethane	4.891	49	37789	22.029	ug/l	99
29) Tetrahydrofuran	4.995	42	90673	112.211	ug/l	99
30) Chloroform	5.087	83	88330	22.245	ug/l	98
31) Cyclohexane	5.465	56	67790	20.714	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	72216	21.442	ug/l	99
36) 1,1-Dichloropropene	5.678	75	56487	20.557	ug/l	99
37) Ethyl Acetate	4.702	43	64789	22.021	ug/l	98
38) Carbon Tetrachloride	5.666	117	60418	20.237	ug/l	96
39) Methylcyclohexane	7.367	83	63224	20.270	ug/l	99
40) Benzene	6.025	78	179877	21.553	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	34892	22.972	ug/l	98
42) 1,2-Dichloroethane	6.074	62	67855	21.369	ug/l	97
43) Isopropyl Acetate	6.324	43	105438	21.851	ug/l	100
44) Trichloroethene	7.111	130	43859	21.737	ug/l	95
45) 1,2-Dichloropropane	7.415	63	47450	22.204	ug/l	99
46) Dibromomethane	7.568	93	34019	21.875	ug/l	97
47) Bromodichloromethane	7.806	83	69456	21.643	ug/l	97
48) Methyl methacrylate	7.678	41	52096	21.675	ug/l	97
49) 1,4-Dioxane	7.647	88	12737	524.370	ug/l	97
51) 4-Methyl-2-Pentanone	8.562	43	310328	115.996	ug/l	100
52) Toluene	8.702	92	111970	21.776	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	71208	21.754	ug/l	96
54) cis-1,3-Dichloropropene	8.354	75	75507	21.582	ug/l	98
55) 1,1,2-Trichloroethane	9.141	97	44264	22.326	ug/l	98
56) Ethyl methacrylate	9.104	69	69776	22.409	ug/l	96
57) 1,3-Dichloropropane	9.293	76	77046	22.621	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	149269	107.246	ug/l	100
59) 2-Hexanone	9.415	43	217633	113.266	ug/l	98
60) Dibromochloromethane	9.506	129	51387	22.494	ug/l	99
61) 1,2-Dibromoethane	9.592	107	45382	22.473	ug/l	98
64) Tetrachloroethene	9.263	164	34573	20.797	ug/l	97
65) Chlorobenzene	10.061	112	123722	21.356	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.147	131	43446	21.732	ug/l	99
67) Ethyl Benzene	10.177	91	209138	20.922	ug/l	100
68) m/p-Xylenes	10.287	106	158713	42.658	ug/l	99
69) o-Xylene	10.628	106	75507	20.982	ug/l	99
70) Styrene	10.640	104	135154	21.434	ug/l	98
71) Bromoform	10.781	173	31447	21.067	ug/l #	100
73) Isopropylbenzene	10.945	105	192694	20.133	ug/l	99
74) N-amyl acetate	10.829	43	91331	20.926	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	63176	21.817	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	56439m	22.143	ug/l	
77) Bromobenzene	11.183	156	48536	20.590	ug/l	98
78) n-propylbenzene	11.287	91	227999	20.152	ug/l	100
79) 2-Chlorotoluene	11.348	91	142176	20.517	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	162669	20.687	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	18996	19.005	ug/l	96
82) 4-Chlorotoluene	11.439	91	168619	20.603	ug/l	99
83) tert-Butylbenzene	11.695	119	160269	19.910	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	162760	20.416	ug/l	100
85) sec-Butylbenzene	11.872	105	193785	20.268	ug/l	99
86) p-Isopropyltoluene	11.994	119	160629	19.844	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	90668	20.708	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	91919	20.455	ug/l	99
89) n-Butylbenzene	12.311	91	151037	20.165	ug/l	99
90) Hexachloroethane	12.518	117	27100	19.069	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	86238	20.674	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.921	75	11921	20.334	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	52835	19.489	ug/l	98
94) Hexachlorobutadiene	13.707	225	17522	19.028	ug/l	99
95) Naphthalene	13.756	128	164806	19.964	ug/l	99
96) 1,2,3-Trichlorobenzene	13.939	180	50825	20.154	ug/l	99

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

