

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092425\
 Data File : VX047774.D
 Acq On : 24 Sep 2025 14:41
 Operator : JC/MD
 Sample : VX0924WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0924WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/25/2025
 Supervised By : Mahesh Dadoda 09/26/2025

Quant Time: Sep 25 01:15:11 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	5.544	168	168041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	296472	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	267293	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	129293	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	138591	51.814	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.620%			
35) Dibromofluoromethane	5.373	113	107372	54.002	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.000%			
50) Toluene-d8	8.635	98	370155	53.802	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.600%			
62) 4-Bromofluorobenzene	11.061	95	140953	53.983	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.960%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.179	85	36213	20.811	ug/l	96
3) Chloromethane	1.301	50	43588	19.059	ug/l	97
4) Vinyl Chloride	1.380	62	43263	19.325	ug/l	99
5) Bromomethane	1.618	94	29725	20.939	ug/l	95
6) Chloroethane	1.697	64	28431	19.001	ug/l	97
7) Trichlorofluoromethane	1.898	101	62364	18.762	ug/l	98
8) Diethyl Ether	2.136	74	25615	18.838	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.337	101	38548	19.833	ug/l	100
10) Methyl Iodide	2.459	142	53580	17.676	ug/l	98
11) Tert butyl alcohol	2.941	59	27657	92.840	ug/l	99
12) 1,1-Dichloroethene	2.325	96	38065	19.066	ug/l	95
13) Acrolein	2.239	56	23948	87.236	ug/l	99
14) Allyl chloride	2.666	41	73044	17.730	ug/l	97
15) Acrylonitrile	3.056	53	115181	104.383	ug/l	98
16) Acetone	2.374	43	97746	84.046	ug/l	96
17) Carbon Disulfide	2.520	76	101384	18.549	ug/l	100
18) Methyl Acetate	2.703	43	56994	22.020	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	138056	18.943	ug/l	96
20) Methylene Chloride	2.788	84	48013	19.503	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	41291	19.210	ug/l	98
22) Diisopropyl ether	3.751	45	153292	19.199	ug/l #	79
23) Vinyl Acetate	3.715	43	604542	94.604	ug/l	100
24) 1,1-Dichloroethane	3.611	63	80471	18.962	ug/l	100
25) 2-Butanone	4.544	43	143377	98.833	ug/l	98
26) 2,2-Dichloropropane	4.471	77	62573	17.738	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	49407	18.769	ug/l	99
28) Bromochloromethane	4.891	49	36844	19.887	ug/l	100
29) Tetrahydrofuran	4.995	42	88921	101.891	ug/l	99
30) Chloroform	5.080	83	82022	19.126	ug/l	99
31) Cyclohexane	5.465	56	66378	18.780	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	67340	18.513	ug/l	99
36) 1,1-Dichloropropene	5.678	75	53417	18.386	ug/l	98
37) Ethyl Acetate	4.702	43	61892	19.896	ug/l	99
38) Carbon Tetrachloride	5.666	117	57341	18.165	ug/l	96
39) Methylcyclohexane	7.373	83	63784	19.340	ug/l	95
40) Benzene	6.025	78	172058	19.498	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	33346	20.764	ug/l	98
42) 1,2-Dichloroethane	6.074	62	62905	18.735	ug/l	97
43) Isopropyl Acetate	6.324	43	98723	19.350	ug/l	100
44) Trichloroethene	7.117	130	41888	19.634	ug/l	96
45) 1,2-Dichloropropane	7.415	63	44462	19.677	ug/l	98
46) Dibromomethane	7.568	93	32451	19.735	ug/l	98
47) Bromodichloromethane	7.806	83	64757	19.085	ug/l	96
48) Methyl methacrylate	7.684	41	48941	19.258	ug/l	97
49) 1,4-Dioxane	7.647	88	12785	497.800	ug/l	94
51) 4-Methyl-2-Pentanone	8.562	43	300433	106.207	ug/l	99
52) Toluene	8.702	92	104571	19.234	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	64712	18.697	ug/l	98
54) cis-1,3-Dichloropropene	8.354	75	70925	19.173	ug/l	97
55) 1,1,2-Trichloroethane	9.135	97	42267	20.162	ug/l	97
56) Ethyl methacrylate	9.104	69	65009	19.746	ug/l	96
57) 1,3-Dichloropropane	9.293	76	72347	20.090	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	153146	104.342	ug/l	100
59) 2-Hexanone	9.415	43	209924	103.328	ug/l	98
60) Dibromochloromethane	9.506	129	49117	20.334	ug/l	99
61) 1,2-Dibromoethane	9.598	107	44272	20.734	ug/l	98
64) Tetrachloroethene	9.257	164	34094	19.566	ug/l	94
65) Chlorobenzene	10.061	112	116717	19.221	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.147	131	39743	18.967	ug/l	99
67) Ethyl Benzene	10.177	91	198358	18.932	ug/l	99
68) m/p-Xylenes	10.287	106	151414	38.826	ug/l	98
69) o-Xylene	10.628	106	71614	18.986	ug/l	99
70) Styrene	10.640	104	125684	19.016	ug/l	99
71) Bromoform	10.781	173	30148	19.268	ug/l #	99
73) Isopropylbenzene	10.945	105	186359	18.959	ug/l	100
74) N-amyl acetate	10.829	43	83503	18.629	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	60468	20.332	ug/l	97
76) 1,2,3-Trichloropropane	11.220	75	47214m	18.036	ug/l	
77) Bromobenzene	11.183	156	46176	19.073	ug/l	98
78) n-propylbenzene	11.287	91	222803	19.174	ug/l	100
79) 2-Chlorotoluene	11.348	91	135322	19.014	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	153632	19.023	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	18495	18.017	ug/l	99
82) 4-Chlorotoluene	11.439	91	157372	18.723	ug/l	99
83) tert-Butylbenzene	11.695	119	155379	18.795	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	155697	19.016	ug/l	99
85) sec-Butylbenzene	11.872	105	190451	19.395	ug/l	99
86) p-Isopropyltoluene	11.988	119	159490	19.185	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	84656	18.826	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	87553	18.970	ug/l	99
89) n-Butylbenzene	12.317	91	146206	19.006	ug/l	99
90) Hexachloroethane	12.518	117	27060	18.540	ug/l	97
91) 1,2-Dichlorobenzene	12.317	146	82144	19.174	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	11145	18.510	ug/l	93
93) 1,2,4-Trichlorobenzene	13.567	180	50920	18.288	ug/l	99
94) Hexachlorobutadiene	13.707	225	17379	18.376	ug/l	99
95) Naphthalene	13.756	128	156523	18.462	ug/l	100
96) 1,2,3-Trichlorobenzene	13.945	180	47748	18.436	ug/l	99

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

