

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
 Data File : VX047871.D
 Acq On : 29 Sep 2025 10:44
 Operator : JC/MD
 Sample : VX0929WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0929WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/30/2025
 Supervised By : Mahesh Dadoda 10/03/2025

Quant Time: Sep 30 01:15:28 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	165805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	286774	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	261167	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	131097	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	128757	48.786	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.580%		
35) Dibromofluoromethane	5.367	113	101652	52.854	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.700%		
50) Toluene-d8	8.635	98	348270	52.333	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	104.660%		
62) 4-Bromofluorobenzene	11.061	95	133538	52.873	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.740%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	38206	22.252	ug/l	98
3) Chloromethane	1.301	50	42517	18.842	ug/l	100
4) Vinyl Chloride	1.380	62	44949	20.349	ug/l	99
5) Bromomethane	1.618	94	30868	22.038	ug/l	97
6) Chloroethane	1.697	64	29082	19.699	ug/l	99
7) Trichlorofluoromethane	1.892	101	67065	20.448	ug/l	98
8) Diethyl Ether	2.136	74	25180	18.768	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	40663	21.203	ug/l	99
10) Methyl Iodide	2.453	142	47303	15.815	ug/l	99
11) Tert butyl alcohol	2.940	59	29747	101.202	ug/l	100
12) 1,1-Dichloroethene	2.325	96	39140	19.869	ug/l	96
13) Acrolein	2.239	56	22368	82.579	ug/l	100
14) Allyl chloride	2.666	41	76339	18.779	ug/l	96
15) Acrylonitrile	3.056	53	116222	106.747	ug/l	98
16) Acetone	2.373	43	114103	99.433	ug/l	96
17) Carbon Disulfide	2.514	76	105231	19.513	ug/l	98
18) Methyl Acetate	2.697	43	54570	21.368	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	138931	19.320	ug/l	99
20) Methylene Chloride	2.788	84	47306	19.475	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	42722	20.144	ug/l	95
22) Diisopropyl ether	3.751	45	154669	19.633	ug/l	94
23) Vinyl Acetate	3.709	43	615425	97.606	ug/l	100
24) 1,1-Dichloroethane	3.605	63	83142	19.856	ug/l	99
25) 2-Butanone	4.538	43	149550	104.478	ug/l	100
26) 2,2-Dichloropropane	4.465	77	69650	20.010	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	51151	19.693	ug/l	98
28) Bromochloromethane	4.885	49	33367	18.253	ug/l	97
29) Tetrahydrofuran	4.989	42	89682	104.148	ug/l	100
30) Chloroform	5.074	83	86708	20.492	ug/l	96
31) Cyclohexane	5.458	56	67846	19.454	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	72871	20.303	ug/l	99
36) 1,1-Dichloropropene	5.684	75	53336	18.978	ug/l	95
37) Ethyl Acetate	4.702	43	61726	20.513	ug/l	99
38) Carbon Tetrachloride	5.666	117	63005	20.634	ug/l	96
39) Methylcyclohexane	7.360	83	64393	20.185	ug/l	96
40) Benzene	6.019	78	173753	20.356	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	31411	20.220	ug/l	97
42) 1,2-Dichloroethane	6.068	62	64455	19.846	ug/l	98
43) Isopropyl Acetate	6.324	43	100186	20.301	ug/l	99
44) Trichloroethene	7.110	130	42469	20.580	ug/l	100
45) 1,2-Dichloropropane	7.415	63	45524	20.828	ug/l	97
46) Dibromomethane	7.568	93	32802	20.623	ug/l	97
47) Bromodichloromethane	7.805	83	67569	20.587	ug/l	97
48) Methyl methacrylate	7.677	41	48101	19.567	ug/l	96
49) 1,4-Dioxane	7.647	88	11700	470.960	ug/l	92
51) 4-Methyl-2-Pentanone	8.555	43	304782	111.388	ug/l	99
52) Toluene	8.702	92	109163	20.758	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	66237	19.785	ug/l	94
54) cis-1,3-Dichloropropene	8.348	75	71660	20.026	ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	43475	21.440	ug/l	99
56) Ethyl methacrylate	9.098	69	64963	20.399	ug/l	96
57) 1,3-Dichloropropane	9.293	76	73896	21.214	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	144323	101.895	ug/l	99
59) 2-Hexanone	9.415	43	217848	110.855	ug/l	99
60) Dibromochloromethane	9.506	129	50383	21.564	ug/l	100
61) 1,2-Dibromoethane	9.592	107	44579	21.584	ug/l	99
64) Tetrachloroethene	9.256	164	35678	20.956	ug/l	95
65) Chlorobenzene	10.061	112	120014	20.227	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.146	131	42740	20.875	ug/l	99
67) Ethyl Benzene	10.177	91	201086	19.642	ug/l	99
68) m/p-Xylenes	10.287	106	156280	41.014	ug/l	98
69) o-Xylene	10.622	106	74514	20.218	ug/l	97
70) Styrene	10.640	104	128890	19.959	ug/l	98
71) Bromoform	10.781	173	33237	21.741	ug/l #	98
73) Isopropylbenzene	10.945	105	191306	19.194	ug/l	99
74) N-amyl acetate	10.829	43	85668	18.849	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.195	83	61986	20.556	ug/l	98
76) 1,2,3-Trichloropropane	11.219	75	48660m	18.332	ug/l	
77) Bromobenzene	11.183	156	47755	19.454	ug/l	97
78) n-propylbenzene	11.287	91	231248	19.627	ug/l	99
79) 2-Chlorotoluene	11.347	91	140564	19.479	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	162726	19.872	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	19157	18.405	ug/l	99
82) 4-Chlorotoluene	11.439	91	165459	19.414	ug/l	98
83) tert-Butylbenzene	11.695	119	163354	19.487	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	161571	19.462	ug/l	100
85) sec-Butylbenzene	11.872	105	198132	19.899	ug/l	100
86) p-Isopropyltoluene	11.994	119	167264	19.843	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	90228	19.789	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	90782	19.399	ug/l	98
89) n-Butylbenzene	12.317	91	156039	20.006	ug/l	99
90) Hexachloroethane	12.518	117	29376	19.849	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	86030	19.805	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.926	75	12094	19.809	ug/l	95
93) 1,2,4-Trichlorobenzene	13.567	180	52503	18.597	ug/l	97
94) Hexachlorobutadiene	13.701	225	19133	19.953	ug/l	99
95) Naphthalene	13.756	128	160918	18.719	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	50611	19.272	ug/l	99

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

