

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
 Data File : VX047604.D
 Acq On : 17 Sep 2025 10:09
 Operator : JC/MD
 Sample : VX0917WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0917WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/18/2025
 Supervised By : Mahesh Dadoda 09/18/2025

Quant Time: Sep 18 01:59:31 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	195658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	351376	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	311445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	151595	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	157383	50.534	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.060%			
35) Dibromofluoromethane	5.367	113	119877	50.870	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.740%			
50) Toluene-d8	8.628	98	419954	51.503	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.000%			
62) 4-Bromofluorobenzene	11.061	95	158932	51.358	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.720%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	32239	15.912	ug/l	97
3) Chloromethane	1.301	50	42550	15.979	ug/l	96
4) Vinyl Chloride	1.380	62	44079	16.911	ug/l	98
5) Bromomethane	1.618	94	29960	18.126	ug/l	99
6) Chloroethane	1.697	64	29979	17.208	ug/l	98
7) Trichlorofluoromethane	1.898	101	66259	17.120	ug/l	99
8) Diethyl Ether	2.136	74	27866	17.601	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	39906	17.634	ug/l	98
10) Methyl Iodide	2.453	142	54828	15.534	ug/l	98
11) Tert butyl alcohol	2.934	59	28628	82.535	ug/l	99
12) 1,1-Dichloroethene	2.325	96	39679	17.069	ug/l	94
13) Acrolein	2.233	56	33545	104.947	ug/l	99
14) Allyl chloride	2.666	41	80667	16.816	ug/l	99
15) Acrylonitrile	3.056	53	112971	87.930	ug/l	100
16) Acetone	2.373	43	99959	73.817	ug/l	99
17) Carbon Disulfide	2.514	76	101664	15.975	ug/l	98
18) Methyl Acetate	2.697	43	57770	19.170	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	148899	17.547	ug/l	98
20) Methylene Chloride	2.788	84	48530	16.931	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	42497	16.980	ug/l	98
22) Diisopropyl ether	3.745	45	166210	17.879	ug/l	85
23) Vinyl Acetate	3.709	43	641507	86.219	ug/l	100
24) 1,1-Dichloroethane	3.605	63	87109	17.629	ug/l	98
25) 2-Butanone	4.538	43	141866	83.988	ug/l	99
26) 2,2-Dichloropropane	4.465	77	71454	17.396	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	53833	17.564	ug/l	99
28) Bromochloromethane	4.885	49	46513	21.562	ug/l	100
29) Tetrahydrofuran	4.989	42	86598	85.223	ug/l	99
30) Chloroform	5.080	83	90053	18.035	ug/l	95
31) Cyclohexane	5.458	56	71454	17.363	ug/l	97
32) 1,1,1-Trichloroethane	5.367	97	75940	17.930	ug/l	99
36) 1,1-Dichloropropene	5.684	75	57894	16.813	ug/l	97
37) Ethyl Acetate	4.696	43	60533	16.418	ug/l	98
38) Carbon Tetrachloride	5.660	117	63765	17.043	ug/l	98
39) Methylcyclohexane	7.367	83	67230	17.200	ug/l	97
40) Benzene	6.019	78	181057	17.312	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	33000	17.337	ug/l	99
42) 1,2-Dichloroethane	6.068	62	69587	17.487	ug/l	98
43) Isopropyl Acetate	6.318	43	105168	17.392	ug/l	100
44) Trichloroethene	7.110	130	43841	17.339	ug/l	90
45) 1,2-Dichloropropane	7.409	63	46912	17.517	ug/l	99
46) Dibromomethane	7.562	93	34149	17.523	ug/l	99
47) Bromodichloromethane	7.805	83	70468	17.523	ug/l	99
48) Methyl methacrylate	7.677	41	51615	17.137	ug/l	99
49) 1,4-Dioxane	7.647	88	10148	333.385	ug/l #	91
51) 4-Methyl-2-Pentanone	8.555	43	294879	87.955	ug/l	100
52) Toluene	8.702	92	113060	17.546	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	71016	17.313	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	77501	17.677	ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	43269	17.415	ug/l	99
56) Ethyl methacrylate	9.098	69	68509	17.558	ug/l	98
57) 1,3-Dichloropropane	9.293	76	76049	17.818	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	149215	87.394	ug/l	99
59) 2-Hexanone	9.415	43	206700	85.844	ug/l	99
60) Dibromochloromethane	9.506	129	49688	17.356	ug/l	94
61) 1,2-Dibromoethane	9.592	107	44915	17.748	ug/l	98
64) Tetrachloroethene	9.256	164	34798	17.139	ug/l	94
65) Chlorobenzene	10.061	112	124126	17.543	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.147	131	43641	17.874	ug/l	99
67) Ethyl Benzene	10.177	91	215918	17.686	ug/l	99
68) m/p-Xylenes	10.287	106	162720	35.810	ug/l	100
69) o-Xylene	10.622	106	79115	18.001	ug/l	98
70) Styrene	10.640	104	137562	17.863	ug/l	99
71) Bromoform	10.781	173	31997	17.551	ug/l #	99
73) Isopropylbenzene	10.945	105	204217	17.719	ug/l	100
74) N-amyl acetate	10.829	43	90344	17.190	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	60939	17.476	ug/l	100
76) 1,2,3-Trichloropropane	11.219	75	47337m	15.423	ug/l	
77) Bromobenzene	11.183	156	49084	17.292	ug/l	99
78) n-propylbenzene	11.287	91	244439	17.941	ug/l	99
79) 2-Chlorotoluene	11.348	91	147920	17.727	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	166236	17.556	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.000	75	18928	15.726	ug/l	96
82) 4-Chlorotoluene	11.439	91	174598	17.716	ug/l	100
83) tert-Butylbenzene	11.695	119	170426	17.582	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	170162	17.725	ug/l	99
85) sec-Butylbenzene	11.872	105	205317	17.833	ug/l	99
86) p-Isopropyltoluene	11.994	119	173347	17.784	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	93375	17.710	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	94074	17.385	ug/l	99
89) n-Butylbenzene	12.317	91	162215	17.985	ug/l	98
90) Hexachloroethane	12.518	117	29907	17.476	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	89095	17.737	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.926	75	11373	16.110	ug/l	95
93) 1,2,4-Trichlorobenzene	13.567	180	56956	17.447	ug/l	99
94) Hexachlorobutadiene	13.707	225	19147	17.267	ug/l	98
95) Naphthalene	13.756	128	167962	16.896	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	53040	17.466	ug/l	99

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

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