

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
 Data File : VX047664.D
 Acq On : 19 Sep 2025 11:05
 Operator : JC/MD
 Sample : VX0919WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBSD01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
 Supervised By :Mahesh Dadoda 09/22/2025

Quant Time: Sep 20 00:28:00 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	189272	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	323630	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	286847	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	141049	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	155172	51.505	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.020%			
35) Dibromofluoromethane	5.367	113	118209	54.463	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.920%			
50) Toluene-d8	8.628	98	414879	55.242	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 110.480%			
62) 4-Bromofluorobenzene	11.061	95	157140	55.132	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.260%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	49308	25.158	ug/l	100
3) Chloromethane	1.300	50	54695	21.233	ug/l	99
4) Vinyl Chloride	1.380	62	54831	21.745	ug/l	99
5) Bromomethane	1.617	94	34772	21.747	ug/l	97
6) Chloroethane	1.697	64	33384	19.809	ug/l	99
7) Trichlorofluoromethane	1.898	101	77956	20.822	ug/l	98
8) Diethyl Ether	2.136	74	29432	19.217	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	47529	21.711	ug/l	98
10) Methyl Iodide	2.453	142	62668	18.355	ug/l	99
11) Tert butyl alcohol	2.940	59	31447	93.721	ug/l	99
12) 1,1-Dichloroethene	2.325	96	45789	20.362	ug/l	99
13) Acrolein	2.233	56	34473	111.489	ug/l	97
14) Allyl chloride	2.666	41	86846	18.715	ug/l	97
15) Acrylonitrile	3.056	53	126994	102.179	ug/l	99
16) Acetone	2.373	43	107787	82.284	ug/l	99
17) Carbon Disulfide	2.514	76	129903	21.101	ug/l	98
18) Methyl Acetate	2.697	43	57886	19.856	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	156607	19.078	ug/l	100
20) Methylene Chloride	2.788	84	52935	19.091	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	47907	19.788	ug/l	99
22) Diisopropyl ether	3.751	45	172318	19.161	ug/l	94
23) Vinyl Acetate	3.709	43	706104	98.102	ug/l	99
24) 1,1-Dichloroethane	3.605	63	90541	18.942	ug/l	99
25) 2-Butanone	4.538	43	155690	95.282	ug/l	99
26) 2,2-Dichloropropane	4.465	77	72468	18.238	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	56525	19.064	ug/l	99
28) Bromochloromethane	4.879	49	41831	20.046	ug/l	99
29) Tetrahydrofuran	4.983	42	102149	103.919	ug/l	98
30) Chloroform	5.074	83	93101	19.275	ug/l	98
31) Cyclohexane	5.458	56	84644	21.262	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	80673	19.690	ug/l	99
36) 1,1-Dichloropropene	5.678	75	64998	20.494	ug/l	99
37) Ethyl Acetate	4.696	43	67906	19.997	ug/l	98
38) Carbon Tetrachloride	5.666	117	70093	20.341	ug/l	98
39) Methylcyclohexane	7.366	83	80730	22.424	ug/l	97
40) Benzene	6.019	78	194431	20.184	ug/l	100

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41) Methacrylonitrile	4.903	41	37587	21.440	ug/l	96
42) 1,2-Dichloroethane	6.068	62	71131	19.408	ug/l	99
43) Isopropyl Acetate	6.318	43	113799	20.433	ug/l	100
44) Trichloroethene	7.110	130	48191	20.693	ug/l	98
45) 1,2-Dichloropropane	7.415	63	49402	20.029	ug/l	98
46) Dibromomethane	7.562	93	35546	19.804	ug/l	96
47) Bromodichloromethane	7.805	83	72691	19.625	ug/l	99
48) Methyl methacrylate	7.677	41	55942	20.166	ug/l	98
49) 1,4-Dioxane	7.647	88	13071	466.228	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	332990	107.838	ug/l	99
52) Toluene	8.702	92	119605	20.153	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	73369	19.420	ug/l	98
54) cis-1,3-Dichloropropene	8.348	75	79666	19.728	ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	46080	20.136	ug/l	99
56) Ethyl methacrylate	9.098	69	74184	20.642	ug/l	98
57) 1,3-Dichloropropane	9.293	76	81270	20.674	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	139313	88.468	ug/l	100
59) 2-Hexanone	9.415	43	232793	104.969	ug/l	99
60) Dibromochloromethane	9.506	129	52177	19.788	ug/l	98
61) 1,2-Dibromoethane	9.592	107	49090	21.061	ug/l	99
64) Tetrachloroethene	9.256	164	39862	21.317	ug/l	97
65) Chlorobenzene	10.061	112	130324	19.999	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.146	131	44424	19.755	ug/l	99
67) Ethyl Benzene	10.177	91	229863	20.443	ug/l	99
68) m/p-Xylenes	10.287	106	172678	41.260	ug/l	100
69) o-Xylene	10.622	106	82235	20.315	ug/l	99
70) Styrene	10.640	104	143751	20.267	ug/l	98
71) Bromoform	10.780	173	33663	20.048	ug/l #	99
73) Isopropylbenzene	10.945	105	214394	19.993	ug/l	99
74) N-amyl acetate	10.829	43	98025	20.046	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	66215	20.409	ug/l	100
76) 1,2,3-Trichloropropane	11.219	75	60176m	21.071	ug/l	
77) Bromobenzene	11.183	156	50671	19.185	ug/l	99
78) n-propylbenzene	11.286	91	259675	20.485	ug/l	100
79) 2-Chlorotoluene	11.347	91	154430	19.890	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	176570	20.041	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.000	75	20336	18.159	ug/l	98
82) 4-Chlorotoluene	11.439	91	185092	20.185	ug/l	99
83) tert-Butylbenzene	11.695	119	179429	19.895	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	177943	19.922	ug/l	99
85) sec-Butylbenzene	11.872	105	222991	20.816	ug/l	99
86) p-Isopropyltoluene	11.988	119	186505	20.564	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	96017	19.573	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	99303	19.723	ug/l	100
89) n-Butylbenzene	12.317	91	173949	20.728	ug/l	100
90) Hexachloroethane	12.518	117	30839	19.368	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	91807	19.644	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	12780	19.456	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	57660	18.983	ug/l	98
94) Hexachlorobutadiene	13.707	225	21691	21.024	ug/l	99
95) Naphthalene	13.756	128	179129	19.367	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	55429	19.618	ug/l	99

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

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