

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
 Data File : VX047313.D
 Acq On : 13 Aug 2025 11:52
 Operator : JC/MD
 Sample : VX0813WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0813WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/14/2025
 Supervised By : Mahesh Dadoda 08/18/2025

Quant Time: Aug 14 03:26:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	202645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	347739	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	317341	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	166388	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	134402	53.243	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.480%			
35) Dibromofluoromethane	5.397	113	119820	55.807	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.620%			
50) Toluene-d8	8.646	98	334546	48.114	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.220%			
62) 4-Bromofluorobenzene	11.079	95	164573	54.923	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.840%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.184	85	52888	19.649	ug/l	98
3) Chloromethane	1.312	50	49720	18.674	ug/l	97
4) Vinyl Chloride	1.392	62	57047	19.932	ug/l	100
5) Bromomethane	1.629	94	28121	18.088	ug/l	98
6) Chloroethane	1.709	64	36159	19.236	ug/l	96
7) Trichlorofluoromethane	1.910	101	82942	19.435	ug/l	98
8) Diethyl Ether	2.148	74	31161	20.708	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.349	101	50169	19.512	ug/l	99
10) Methyl Iodide	2.471	142	79228	30.234	ug/l	99
11) Tert butyl alcohol	2.965	59	28206	88.958	ug/l	100
12) 1,1-Dichloroethene	2.337	96	49435	19.412	ug/l	91
13) Acrolein	2.251	56	74804	137.626	ug/l	99
14) Allyl chloride	2.678	41	88743	19.277	ug/l	99
15) Acrylonitrile	3.080	53	136391	113.289	ug/l	96
16) Acetone	2.391	43	105243	104.072	ug/l	99
17) Carbon Disulfide	2.532	76	136494	18.527	ug/l	99
18) Methyl Acetate	2.715	43	66666	24.807	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	169383	21.854	ug/l	98
20) Methylene Chloride	2.806	84	59927	21.541	ug/l	96
21) trans-1,2-Dichloroethene	3.111	96	54162	20.783	ug/l	97
22) Diisopropyl ether	3.769	45	189873	21.453	ug/l	95
23) Vinyl Acetate	3.733	43	778435	109.658	ug/l	100
24) 1,1-Dichloroethane	3.623	63	101105	20.543	ug/l	99
25) 2-Butanone	4.568	43	154236	104.747	ug/l	97
26) 2,2-Dichloropropane	4.489	77	72574	19.049	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	64114	20.776	ug/l	97
28) Bromochloromethane	4.909	49	53663	23.700	ug/l	100
29) Tetrahydrofuran	5.025	42	95667	100.696	ug/l	97
30) Chloroform	5.104	83	105983	21.155	ug/l	98
31) Cyclohexane	5.482	56	88623	18.780	ug/l	97
32) 1,1,1-Trichloroethane	5.397	97	87621	20.136	ug/l	100
36) 1,1-Dichloropropene	5.708	75	69586	19.013	ug/l	99
37) Ethyl Acetate	4.720	43	75505	22.389	ug/l	98
38) Carbon Tetrachloride	5.684	117	75605	19.355	ug/l	97
39) Methylcyclohexane	7.384	83	83563	18.287	ug/l	97
40) Benzene	6.043	78	217544	20.539	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	36502	20.701	ug/l #	93
42) 1,2-Dichloroethane	6.098	62	81232	21.772	ug/l	98
43) Isopropyl Acetate	6.348	43	115479	21.965	ug/l	100
44) Trichloroethene	7.128	130	53343	19.640	ug/l	97
45) 1,2-Dichloropropane	7.433	63	55177	20.800	ug/l	95
46) Dibromomethane	7.586	93	41024	22.053	ug/l	99
47) Bromodichloromethane	7.823	83	83856	21.178	ug/l	96
48) Methyl methacrylate	7.695	41	59468	20.763	ug/l	99
49) 1,4-Dioxane	7.677	88	13158	403.928	ug/l #	94
51) 4-Methyl-2-Pentanone	8.573	43	354824	113.545	ug/l	98
52) Toluene	8.720	92	136726	20.994	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	74859	20.021	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	83165	20.322	ug/l	99
55) 1,1,2-Trichloroethane	9.152	97	54517	22.321	ug/l	97
56) Ethyl methacrylate	9.116	69	80828	22.355	ug/l	99
57) 1,3-Dichloropropane	9.311	76	92049	21.685	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	198566	98.689	ug/l	99
59) 2-Hexanone	9.433	43	242446	117.430	ug/l	99
60) Dibromochloromethane	9.518	129	61783	21.569	ug/l	97
61) 1,2-Dibromoethane	9.610	107	56071	21.956	ug/l	100
64) Tetrachloroethene	9.274	164	44324	19.375	ug/l	96
65) Chlorobenzene	10.079	112	154110	20.730	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.164	131	52447	20.954	ug/l	99
67) Ethyl Benzene	10.195	91	260192	20.017	ug/l	99
68) m/p-Xylenes	10.299	106	198066	40.718	ug/l	100
69) o-Xylene	10.640	106	95105	20.552	ug/l	99
70) Styrene	10.652	104	168181	21.195	ug/l	98
71) Bromoform	10.798	173	40938	21.532	ug/l #	98
73) Isopropylbenzene	10.963	105	252380	19.226	ug/l	100
74) N-amyl acetate	10.841	43	103804	19.599	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	79022	21.074	ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	61482m	19.963	ug/l	
77) Bromobenzene	11.195	156	62175	19.747	ug/l	98
78) n-propylbenzene	11.304	91	293982	18.741	ug/l	100
79) 2-Chlorotoluene	11.359	91	179779	19.172	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	205269	18.928	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	10337	8.647	ug/l	96
82) 4-Chlorotoluene	11.451	91	214549	19.603	ug/l	98
83) tert-Butylbenzene	11.713	119	206509	18.972	ug/l	100
84) 1,2,4-Trimethylbenzene	11.749	105	209364	19.355	ug/l	98
85) sec-Butylbenzene	11.890	105	254555	18.717	ug/l	100
86) p-Isopropyltoluene	12.006	119	213414	18.922	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	119434	19.964	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	120575	19.893	ug/l	97
89) n-Butylbenzene	12.329	91	198380	18.756	ug/l	98
90) Hexachloroethane	12.536	117	36783	18.231	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	113791	19.901	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.944	75	15225	21.153	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	73889	19.559	ug/l	99
94) Hexachlorobutadiene	13.725	225	24838	19.333	ug/l	97
95) Naphthalene	13.774	128	224317	20.255	ug/l	100
96) 1,2,3-Trichlorobenzene	13.956	180	69941	19.218	ug/l	99

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

