

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080125\
 Data File : VX047206.D
 Acq On : 01 Aug 2025 15:20
 Operator : JC/MD
 Sample : VX0801WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0801WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/04/2025
 Supervised By : Mahesh Dadoda 08/04/2025

Quant Time: Aug 02 00:25:44 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	256956	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	433363	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	392782	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	198420	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	205211	64.111	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 128.220%#			
35) Dibromofluoromethane	5.391	113	177687	66.407	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 132.820%#			
50) Toluene-d8	8.647	98	512846	59.184	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 118.360%#			
62) 4-Bromofluorobenzene	11.079	95	240401	64.377	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 128.760%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	54554	15.984	ug/l	100
3) Chloromethane	1.307	50	48243	14.290	ug/l	98
4) Vinyl Chloride	1.392	62	59533	16.404	ug/l	100
5) Bromomethane	1.630	94	31918	16.191	ug/l	99
6) Chloroethane	1.709	64	36907	15.484	ug/l	97
7) Trichlorofluoromethane	1.904	101	90171	16.663	ug/l	95
8) Diethyl Ether	2.142	74	33688	17.656	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.343	101	54761	16.796	ug/l	98
10) Methyl Iodide	2.471	142	78183	23.529	ug/l	98
11) Tert butyl alcohol	2.947	59	28693	69.246	ug/l	100
12) 1,1-Dichloroethene	2.337	96	52002	16.104	ug/l	98
13) Acrolein	2.246	56	62904	91.271	ug/l	99
14) Allyl chloride	2.678	41	90389	15.485	ug/l	93
15) Acrylonitrile	3.075	53	135852	88.991	ug/l	99
16) Acetone	2.386	43	119276	93.019	ug/l	99
17) Carbon Disulfide	2.526	76	132892	14.225	ug/l	96
18) Methyl Acetate	2.709	43	75106	22.041	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	183148	18.636	ug/l	98
20) Methylene Chloride	2.800	84	63256	17.931	ug/l	96
21) trans-1,2-Dichloroethene	3.105	96	54465	16.482	ug/l	92
22) Diisopropyl ether	3.764	45	210590	18.765	ug/l	96
23) Vinyl Acetate	3.727	43	817922	90.867	ug/l	100
24) 1,1-Dichloroethane	3.623	63	108387	17.368	ug/l	100
25) 2-Butanone	4.562	43	162811	87.200	ug/l	98
26) 2,2-Dichloropropane	4.483	77	84752	17.544	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	68781	17.577	ug/l	99
28) Bromochloromethane	4.910	49	63299	22.047	ug/l	98
29) Tetrahydrofuran	5.020	42	100097	83.090	ug/l	98
30) Chloroform	5.105	83	114698	18.055	ug/l	96
31) Cyclohexane	5.477	56	98219	16.414	ug/l	95
32) 1,1,1-Trichloroethane	5.391	97	97216	17.619	ug/l	98
36) 1,1-Dichloropropene	5.696	75	73392	16.091	ug/l	99
37) Ethyl Acetate	4.715	43	73402	17.465	ug/l	99
38) Carbon Tetrachloride	5.690	117	82709	16.990	ug/l	98
39) Methylcyclohexane	7.379	83	92971	16.326	ug/l	97
40) Benzene	6.044	78	229729	17.404	ug/l	98

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 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)
41) Methacrylonitrile	4.928	41	37163	16.912	ug/l #	89
42) 1,2-Dichloroethane	6.093	62	89029	19.147	ug/l	98
43) Isopropyl Acetate	6.342	43	117385	17.916	ug/l	98
44) Trichloroethene	7.129	130	57404	16.959	ug/l	91
45) 1,2-Dichloropropane	7.428	63	60230	18.219	ug/l	95
46) Dibromomethane	7.580	93	44636	19.254	ug/l	97
47) Bromodichloromethane	7.824	83	91705	18.584	ug/l	92
48) Methyl methacrylate	7.696	41	61348	17.188	ug/l	98
49) 1,4-Dioxane	7.714	88	12836	316.188	ug/l #	89
51) 4-Methyl-2-Pentanone	8.574	43	356166	91.456	ug/l	98
52) Toluene	8.714	92	144561	17.812	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	83025	17.818	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	92752	18.187	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	58374	19.178	ug/l	99
56) Ethyl methacrylate	9.116	69	85771	19.035	ug/l	99
57) 1,3-Dichloropropane	9.305	76	100959	19.085	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	297413	118.611	ug/l	100
59) 2-Hexanone	9.427	43	238814	92.817	ug/l	100
60) Dibromochloromethane	9.519	129	68421	19.167	ug/l	99
61) 1,2-Dibromoethane	9.604	107	59098	18.569	ug/l	99
64) Tetrachloroethene	9.275	164	47140	16.648	ug/l	94
65) Chlorobenzene	10.080	112	163438	17.762	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	55724	17.987	ug/l	99
67) Ethyl Benzene	10.189	91	283286	17.608	ug/l	98
68) m/p-Xylenes	10.299	106	211795	35.178	ug/l	99
69) o-Xylene	10.640	106	102259	17.854	ug/l	98
70) Styrene	10.653	104	177429	18.066	ug/l	99
71) Bromoform	10.799	173	42963	18.256	ug/l #	99
73) Isopropylbenzene	10.957	105	273689	17.484	ug/l	100
74) N-amyl acetate	10.842	43	105384	16.685	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	83044	18.572	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	66159m	18.014	ug/l	
77) Bromobenzene	11.195	156	65379	17.413	ug/l	98
78) n-propylbenzene	11.299	91	328620	17.567	ug/l	99
79) 2-Chlorotoluene	11.360	91	196786	17.598	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	228013	17.631	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.012	75	12791	8.973	ug/l	92
82) 4-Chlorotoluene	11.451	91	230278	17.643	ug/l	99
83) tert-Butylbenzene	11.713	119	232300	17.896	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	230641	17.880	ug/l	99
85) sec-Butylbenzene	11.890	105	290141	17.889	ug/l	99
86) p-Isopropyltoluene	12.006	119	242450	18.027	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	126795	17.773	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	130422	18.044	ug/l	98
89) n-Butylbenzene	12.329	91	229694	18.211	ug/l	99
90) Hexachloroethane	12.536	117	41341	17.182	ug/l	98
91) 1,2-Dichlorobenzene	12.329	146	122436	17.956	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	15528	18.091	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	79344	17.612	ug/l	97
94) Hexachlorobutadiene	13.719	225	30674	20.021	ug/l	98
95) Naphthalene	13.774	128	240367	18.200	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	78925	18.185	ug/l	99

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

