

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061125\
 Data File : VX046641.D
 Acq On : 11 Jun 2025 16:47
 Operator : JC/MD
 Sample : Q2230-03MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-MW01-060425MS

Quant Time: Jun 12 02:32:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/12/2025
 Supervised By : Mahesh Dadoda 06/12/2025

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

Internal Standards						
1) Pentafluorobenzene	5.568	168	80829	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	141022	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	125449	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63001	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	68333	47.518	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.040%			
35) Dibromofluoromethane	5.403	113	54143	52.208	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.420%			
50) Toluene-d8	8.653	98	174641	51.078	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.160%			
62) 4-Bromofluorobenzene	11.079	95	71997	50.894	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.780%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.185	85	55189	49.181	ug/l	99
3) Chloromethane	1.307	50	49886	48.840	ug/l	100
4) Vinyl Chloride	1.386	62	49623	48.736	ug/l	99
5) Bromomethane	1.618	94	26246	42.460	ug/l	96
6) Chloroethane	1.697	64	32943	49.866	ug/l	95
7) Trichlorofluoromethane	1.904	101	86652	51.436	ug/l	98
8) Diethyl Ether	2.148	74	31877	53.554	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.349	101	59141	55.721	ug/l	96
10) Methyl Iodide	2.471	142	58537	50.877	ug/l	98
11) Tert butyl alcohol	2.971	59	47445	297.334	ug/l	99
12) 1,1-Dichloroethene	2.337	96	54434	56.724	ug/l	92
13) Acrolein	2.252	56	50454	260.062	ug/l	99
14) Allyl chloride	2.684	41	109159	57.919	ug/l	93
15) Acrylonitrile	3.081	53	184732	306.193	ug/l	99
16) Acetone	2.392	43	195958	345.230	ug/l	94
17) Carbon Disulfide	2.532	76	107736	52.862	ug/l	99
18) Methyl Acetate	2.721	43	111849	65.298	ug/l	97
19) Methyl tert-butyl Ether	3.129	73	210789	62.775	ug/l	100
20) Methylene Chloride	2.806	84	64032	55.503	ug/l	95
21) trans-1,2-Dichloroethene	3.111	96	55678	54.825	ug/l	99
22) Diisopropyl ether	3.776	45	232197	62.491	ug/l #	74
23) Vinyl Acetate	3.739	43	893940	311.614	ug/l	100
24) 1,1-Dichloroethane	3.629	63	122523	59.165	ug/l	100
25) 2-Butanone	4.568	43	253554	316.735	ug/l	98
26) 2,2-Dichloropropane	4.495	77	94890	61.723	ug/l	98
27) cis-1,2-Dichloroethene	4.507	96	73546	58.828	ug/l	96
28) Bromochloromethane	4.916	49	53361	54.024	ug/l	98
29) Tetrahydrofuran	5.019	42	150219	297.136	ug/l	98
30) Chloroform	5.111	83	136904	63.094	ug/l	96
31) Cyclohexane	5.489	56	93511	55.934	ug/l	99
32) 1,1,1-Trichloroethane	5.397	97	110017	59.274	ug/l	97
36) 1,1-Dichloropropene	5.708	75	78754	53.163	ug/l	99
37) Ethyl Acetate	4.733	43	94445	65.323	ug/l	99
38) Carbon Tetrachloride	5.690	117	93895	56.589	ug/l	99
39) Methylcyclohexane	7.391	83	94639	54.125	ug/l	97
40) Benzene	6.050	78	242275	58.095	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	57904	64.493	ug/l	94
42) 1,2-Dichloroethane	6.098	62	98381	56.705	ug/l	98
43) Isopropyl Acetate	6.348	43	155654	61.754	ug/l	99
44) Trichloroethene	7.135	130	59079	55.755	ug/l	99
45) 1,2-Dichloropropane	7.440	63	65333	60.694	ug/l	100
46) Dibromomethane	7.586	93	48007	59.283	ug/l	98
47) Bromodichloromethane	7.830	83	103096	61.917	ug/l	96
48) Methyl methacrylate	7.702	41	80120	61.780	ug/l	95
49) 1,4-Dioxane	7.665	88	20129	1160.676	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	510424	318.674	ug/l	98
52) Toluene	8.720	92	159232	62.150	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	94946	63.598	ug/l	98
54) cis-1,3-Dichloropropene	8.372	75	101464	61.127	ug/l	90
55) 1,1,2-Trichloroethane	9.153	97	65236	63.426	ug/l	98
56) Ethyl methacrylate	9.116	69	104288	65.889	ug/l	94
57) 1,3-Dichloropropane	9.311	76	109677	60.340	ug/l	99
59) 2-Hexanone	9.433	43	366111	318.711	ug/l	97
60) Dibromochloromethane	9.525	129	76280	63.050	ug/l	99
61) 1,2-Dibromoethane	9.610	107	64605	60.277	ug/l	98
64) Tetrachloroethene	9.275	164	45958	54.786	ug/l	96
65) Chlorobenzene	10.079	112	174659	59.198	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	63873	64.065	ug/l	99
67) Ethyl Benzene	10.195	91	339109	65.838	ug/l	98
68) m/p-Xylenes	10.299	106	278890	149.265	ug/l	97
69) o-Xylene	10.640	106	170900	94.565	ug/l	100
70) Styrene	10.653	104	196786	63.611	ug/l	97
71) Bromoform	10.799	173	49303	64.856	ug/l #	97
73) Isopropylbenzene	10.963	105	311506	62.899	ug/l	100
74) N-amyl acetate	10.842	43	140476	64.410	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	97335	61.402	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	80013m	59.960	ug/l	
77) Bromobenzene	11.195	156	69998	60.893	ug/l	96
78) n-propylbenzene	11.305	91	381289	63.608	ug/l	99
79) 2-Chlorotoluene	11.366	91	227781	63.014	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	299297	72.523	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	30173	65.224	ug/l	92
82) 4-Chlorotoluene	11.451	91	252716	58.983	ug/l	98
83) tert-Butylbenzene	11.713	119	259455	61.758	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	428093	102.538	ug/l	99
85) sec-Butylbenzene	11.890	105	328394	60.834	ug/l	99
86) p-Isopropyltoluene	12.006	119	273527	60.781	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	132095	59.177	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	131861	57.008	ug/l	99
89) n-Butylbenzene	12.329	91	269319	60.941	ug/l	96
90) Hexachloroethane	12.536	117	50932	63.677	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	128987	59.863	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	22181	62.485	ug/l	92
93) 1,2,4-Trichlorobenzene	13.585	180	87233	59.349	ug/l	97
94) Hexachlorobutadiene	13.725	225	34998	51.236	ug/l	96
95) Naphthalene	13.774	128	328865	70.554	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	86490	58.683	ug/l	97

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

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