

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070925\
 Data File : VX046924.D
 Acq On : 09 Jul 2025 11:28
 Operator : JC/MD
 Sample : VX0709WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/10/2025
 Supervised By : Mahesh Dadoda 07/10/2025

Quant Time: Jul 10 02:57:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 10 02:52:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	302422	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	497779	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	455887	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	237987	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	206742	51.746	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.500%			
35) Dibromofluoromethane	5.391	113	173630	51.386	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.780%			
50) Toluene-d8	8.647	98	598591	50.211	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.420%			
62) 4-Bromofluorobenzene	11.079	95	236838	52.272	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.540%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.179	85	57284	19.806	ug/l	99
3) Chloromethane	1.307	50	64758	20.493	ug/l	98
4) Vinyl Chloride	1.386	62	66957	19.458	ug/l	100
5) Bromomethane	1.630	94	46125	20.861	ug/l	90
6) Chloroethane	1.703	64	44932	19.774	ug/l	96
7) Trichlorofluoromethane	1.904	101	107263	20.159	ug/l	98
8) Diethyl Ether	2.148	74	40878	21.589	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.349	101	70146	20.689	ug/l	98
10) Methyl Iodide	2.465	142	78590	21.277	ug/l	100
11) Tert butyl alcohol	2.953	59	27935	106.609	ug/l	100
12) 1,1-Dichloroethene	2.337	96	65281	19.907	ug/l	98
13) Acrolein	2.246	56	28086	89.760	ug/l	95
14) Allyl chloride	2.678	41	120877	20.703	ug/l	99
15) Acrylonitrile	3.069	53	170267	112.389	ug/l	99
16) Acetone	2.386	43	127913	103.071	ug/l	97
17) Carbon Disulfide	2.526	76	157247	18.284	ug/l	98
18) Methyl Acetate	2.709	43	80500	24.610	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	210848	22.768	ug/l	98
20) Methylene Chloride	2.800	84	83758	22.824	ug/l	95
21) trans-1,2-Dichloroethene	3.105	96	69828	20.809	ug/l	99
22) Diisopropyl ether	3.770	45	259236	22.983	ug/l	95
23) Vinyl Acetate	3.727	43	941936	111.465	ug/l	99
24) 1,1-Dichloroethane	3.623	63	138648	21.553	ug/l	100
25) 2-Butanone	4.562	43	185941	112.300	ug/l	96
26) 2,2-Dichloropropane	4.483	77	98564	20.587	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	88054	21.492	ug/l	99
28) Bromochloromethane	4.910	49	68441	21.557	ug/l	99
29) Tetrahydrofuran	5.013	42	118430	112.205	ug/l	99
30) Chloroform	5.099	83	145168	22.088	ug/l	98
31) Cyclohexane	5.477	56	115151	20.163	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	116142	21.152	ug/l	98
36) 1,1-Dichloropropene	5.696	75	94691	20.771	ug/l	99
37) Ethyl Acetate	4.715	43	76276	19.644	ug/l	97
38) Carbon Tetrachloride	5.684	117	101646	21.089	ug/l	98
39) Methylcyclohexane	7.379	83	112047	19.648	ug/l	99
40) Benzene	6.044	78	295148	21.404	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	47903	23.127	ug/l	98
42) 1,2-Dichloroethane	6.086	62	105322	22.493	ug/l	100
43) Isopropyl Acetate	6.342	43	132161	22.222	ug/l	100
44) Trichloroethene	7.129	130	74493	20.753	ug/l	99
45) 1,2-Dichloropropane	7.434	63	77166	22.150	ug/l	99
46) Dibromomethane	7.580	93	53776	22.278	ug/l	99
47) Bromodichloromethane	7.824	83	115173	22.346	ug/l	95
48) Methyl methacrylate	7.696	41	70521	22.964	ug/l	98
49) 1,4-Dioxane	7.659	88	15715	441.645	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	409839	116.763	ug/l	99
52) Toluene	8.720	92	184541	21.597	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	102389	22.259	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	115388	21.977	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	74118	23.288	ug/l	98
56) Ethyl methacrylate	9.116	69	97832	22.209	ug/l	97
57) 1,3-Dichloropropane	9.305	76	125730	22.942	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	248714	100.205	ug/l	100
59) 2-Hexanone	9.427	43	268506	115.328	ug/l	100
60) Dibromochloromethane	9.519	129	85824	22.533	ug/l	99
61) 1,2-Dibromoethane	9.610	107	71791	22.460	ug/l	99
64) Tetrachloroethene	9.269	164	61993	20.424	ug/l	92
65) Chlorobenzene	10.079	112	210728	21.380	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.159	131	71599	21.609	ug/l	99
67) Ethyl Benzene	10.195	91	356525	21.122	ug/l	99
68) m/p-Xylenes	10.299	106	269567	42.381	ug/l	98
69) o-Xylene	10.640	106	131255	21.363	ug/l	99
70) Styrene	10.653	104	231999	22.070	ug/l	100
71) Bromoform	10.799	173	54055	21.941	ug/l #	100
73) Isopropylbenzene	10.957	105	344192	20.574	ug/l	100
74) N-amyl acetate	10.842	43	120484	21.193	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	100231	21.788	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	80427m	21.872	ug/l	
77) Bromobenzene	11.195	156	87727	21.052	ug/l	99
78) n-propylbenzene	11.299	91	414556	20.550	ug/l	99
79) 2-Chlorotoluene	11.360	91	246137	20.664	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	288748	21.241	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	26664	19.458	ug/l	93
82) 4-Chlorotoluene	11.451	91	293768	21.372	ug/l	100
83) tert-Butylbenzene	11.713	119	290645	20.701	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	289144	21.044	ug/l	98
85) sec-Butylbenzene	11.890	105	368820	20.835	ug/l	100
86) p-Isopropyltoluene	12.006	119	307736	20.759	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	166531	21.368	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	167989	20.711	ug/l	99
89) n-Butylbenzene	12.329	91	283106	20.325	ug/l	98
90) Hexachloroethane	12.536	117	53152	20.226	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	161052	21.325	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	17023	21.157	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	103990	20.268	ug/l	98
94) Hexachlorobutadiene	13.719	225	37961	19.619	ug/l	98
95) Naphthalene	13.774	128	286633	21.201	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	101210	20.877	ug/l	99

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

