

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
 Data File : VX046848.D
 Acq On : 01 Jul 2025 10:42
 Operator : JC/MD
 Sample : VX0701WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0701WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 02 01:39:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	134985	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	220693	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	201379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	102368	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84454	45.233	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.460%		
35) Dibromofluoromethane	5.391	113	70489	48.274	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.540%		
50) Toluene-d8	8.647	98	251374	47.917	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.840%		
62) 4-Bromofluorobenzene	11.079	95	95869	49.024	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.179	85	25196	17.483	ug/l	96
3) Chloromethane	1.307	50	27301	17.551	ug/l	97
4) Vinyl Chloride	1.386	62	29247	17.632	ug/l	94
5) Bromomethane	1.624	94	20673	22.152	ug/l	99
6) Chloroethane	1.703	64	18811	18.711	ug/l	95
7) Trichlorofluoromethane	1.904	101	44549	17.687	ug/l	93
8) Diethyl Ether	2.142	74	16505	19.095	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.349	101	28863	18.680	ug/l	99
10) Methyl Iodide	2.465	142	30780	18.868	ug/l	97
11) Tert butyl alcohol	2.953	59	12078	72.073	ug/l	97
12) 1,1-Dichloroethene	2.337	96	27563	18.487	ug/l	99
13) Acrolein	2.245	56	18189	74.516	ug/l	95
14) Allyl chloride	2.678	41	50079	18.538	ug/l	98
15) Acrylonitrile	3.069	53	68513	90.921	ug/l	99
16) Acetone	2.386	43	51848	83.273	ug/l	98
17) Carbon Disulfide	2.526	76	70242	15.601	ug/l	100
18) Methyl Acetate	2.709	43	30157	19.070	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	84831	18.273	ug/l	100
20) Methylene Chloride	2.800	84	32564	18.807	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	29341	18.391	ug/l	97
22) Diisopropyl ether	3.770	45	103985	20.026	ug/l	90
23) Vinyl Acetate	3.727	43	385741	93.421	ug/l	99
24) 1,1-Dichloroethane	3.617	63	55095	18.688	ug/l	99
25) 2-Butanone	4.556	43	75452	85.685	ug/l	99
26) 2,2-Dichloropropane	4.489	77	40516	18.843	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	35763	19.081	ug/l	99
28) Bromochloromethane	4.904	49	25644	19.187	ug/l	99
29) Tetrahydrofuran	5.007	42	49548	87.114	ug/l	99
30) Chloroform	5.099	83	58014	19.677	ug/l	94
31) Cyclohexane	5.477	56	50366	18.015	ug/l	94
32) 1,1,1-Trichloroethane	5.391	97	47579	18.401	ug/l	99
36) 1,1-Dichloropropene	5.702	75	38838	18.426	ug/l	99
37) Ethyl Acetate	4.721	43	32328	16.616	ug/l	96
38) Carbon Tetrachloride	5.684	117	42660	18.649	ug/l	99
39) Methylcyclohexane	7.385	83	49822	17.962	ug/l	98
40) Benzene	6.044	78	121241	19.436	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	19947	19.231	ug/l	95
42) 1,2-Dichloroethane	6.086	62	42060	19.187	ug/l	98
43) Isopropyl Acetate	6.342	43	54078	17.762	ug/l	99
44) Trichloroethene	7.129	130	30024	18.886	ug/l	94
45) 1,2-Dichloropropane	7.434	63	30964	20.029	ug/l	95
46) Dibromomethane	7.586	93	21776	19.599	ug/l	99
47) Bromodichloromethane	7.818	83	45241	19.953	ug/l	99
48) Methyl methacrylate	7.696	41	29135	19.081	ug/l	98
49) 1,4-Dioxane	7.665	88	6917	330.821	ug/l	96
51) 4-Methyl-2-Pentanone	8.568	43	169263	93.215	ug/l	99
52) Toluene	8.714	92	76961	19.901	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	40890	19.437	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	46543	19.489	ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	29210	20.269	ug/l	97
56) Ethyl methacrylate	9.116	69	40718	19.140	ug/l	99
57) 1,3-Dichloropropane	9.305	76	50134	20.201	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	110282	99.794	ug/l	99
59) 2-Hexanone	9.427	43	114656	91.334	ug/l	98
60) Dibromochloromethane	9.519	129	34601	20.373	ug/l	99
61) 1,2-Dibromoethane	9.610	107	29282	19.975	ug/l	99
64) Tetrachloroethene	9.269	164	26317	18.863	ug/l	97
65) Chlorobenzene	10.079	112	85978	19.341	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	28886	19.335	ug/l	97
67) Ethyl Benzene	10.189	91	146786	18.898	ug/l	99
68) m/p-Xylenes	10.299	106	113592	39.249	ug/l	98
69) o-Xylene	10.640	106	53955	19.893	ug/l	97
70) Styrene	10.653	104	94440	19.896	ug/l	98
71) Bromoform	10.799	173	21946	19.288	ug/l #	98
73) Isopropylbenzene	10.957	105	143898	19.086	ug/l	100
74) N-amyl acetate	10.842	43	51415	17.999	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	40206	19.099	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	32495m	17.332	ug/l	
77) Bromobenzene	11.195	156	35064	19.327	ug/l	98
78) n-propylbenzene	11.299	91	171043	19.100	ug/l	100
79) 2-Chlorotoluene	11.360	91	102310	19.135	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	117578	18.978	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	11580	17.458	ug/l	98
82) 4-Chlorotoluene	11.451	91	119868	19.210	ug/l	99
83) tert-Butylbenzene	11.713	119	120297	18.784	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	120607	19.375	ug/l	99
85) sec-Butylbenzene	11.884	105	153024	18.906	ug/l	99
86) p-Isopropyltoluene	12.006	119	127562	18.679	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	68264	19.297	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	68897	18.961	ug/l	98
89) n-Butylbenzene	12.329	91	120131	18.527	ug/l	99
90) Hexachloroethane	12.536	117	20965	17.531	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	65015	19.667	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	6956	16.737	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	43183	18.374	ug/l	97
94) Hexachlorobutadiene	13.725	225	17412	17.612	ug/l	99
95) Naphthalene	13.774	128	120273	17.962	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	41840	18.609	ug/l	99

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

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