

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
 Data File : VX046991.D
 Acq On : 15 Jul 2025 11:21
 Operator : JC/MD
 Sample : VX0715WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0715WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/16/2025
 Supervised By : Mahesh Dadoda 07/16/2025

Quant Time: Jul 16 02:22:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	318386	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	538385	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	482579	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	241598	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	214282	50.944	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.880%			
35) Dibromofluoromethane	5.397	113	176383	48.264	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.520%			
50) Toluene-d8	8.653	98	611065	47.391	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.780%			
62) 4-Bromofluorobenzene	11.079	95	243638	49.717	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.440%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	52331	17.186	ug/l	99
3) Chloromethane	1.307	50	54843	16.485	ug/l	97
4) Vinyl Chloride	1.386	62	62563	17.269	ug/l	97
5) Bromomethane	1.624	94	42419	18.223	ug/l	95
6) Chloroethane	1.703	64	45148	18.873	ug/l	98
7) Trichlorofluoromethane	1.904	101	104427	18.642	ug/l	96
8) Diethyl Ether	2.148	74	38598	19.362	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.349	101	67984	19.046	ug/l	99
10) Methyl Iodide	2.471	142	60446	15.544	ug/l	99
11) Tert butyl alcohol	2.959	59	42789	155.109	ug/l	100
12) 1,1-Dichloroethene	2.337	96	63536	18.403	ug/l	97
13) Acrolein	2.252	56	23901	80.353	ug/l	100
14) Allyl chloride	2.678	41	120571	19.616	ug/l	98
15) Acrylonitrile	3.075	53	185469	116.286	ug/l	98
16) Acetone	2.386	43	143863	110.111	ug/l	98
17) Carbon Disulfide	2.526	76	135364	14.951	ug/l	99
18) Methyl Acetate	2.715	43	97259	28.243	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	217712	22.331	ug/l	96
20) Methylene Chloride	2.806	84	75703	19.595	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	65167	18.446	ug/l	97
22) Diisopropyl ether	3.770	45	254971	21.471	ug/l	90
23) Vinyl Acetate	3.733	43	961308	108.054	ug/l	100
24) 1,1-Dichloroethane	3.623	63	133568	19.722	ug/l	98
25) 2-Butanone	4.568	43	219889	126.144	ug/l	99
26) 2,2-Dichloropropane	4.489	77	100744	19.988	ug/l	99
27) cis-1,2-Dichloroethene	4.507	96	83334	19.320	ug/l	98
28) Bromochloromethane	4.910	49	72928	21.819	ug/l	97
29) Tetrahydrofuran	5.013	42	140700	126.621	ug/l	99
30) Chloroform	5.105	83	139783	20.203	ug/l	98
31) Cyclohexane	5.483	56	112781	18.758	ug/l	97
32) 1,1,1-Trichloroethane	5.397	97	116800	20.206	ug/l	99
36) 1,1-Dichloropropene	5.708	75	88347	17.917	ug/l	99
37) Ethyl Acetate	4.727	43	88119	20.982	ug/l	98
38) Carbon Tetrachloride	5.684	117	99504	19.088	ug/l	94
39) Methylcyclohexane	7.385	83	107927	17.498	ug/l	96
40) Benzene	6.050	78	281105	18.848	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	53757	23.996	ug/l	97
42) 1,2-Dichloroethane	6.092	62	102583	20.256	ug/l	97
43) Isopropyl Acetate	6.348	43	151993	23.629	ug/l	99
44) Trichloroethene	7.135	130	72262	18.613	ug/l	95
45) 1,2-Dichloropropane	7.440	63	74231	19.700	ug/l	98
46) Dibromomethane	7.586	93	51416	19.694	ug/l	98
47) Bromodichloromethane	7.824	83	108567	19.475	ug/l	99
48) Methyl methacrylate	7.696	41	78461	23.623	ug/l	97
49) 1,4-Dioxane	7.665	88	21171	550.103	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	481955	126.952	ug/l	98
52) Toluene	8.720	92	177851	19.244	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	99577	20.015	ug/l	100
54) cis-1,3-Dichloropropene	8.372	75	112508	19.812	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	71270	20.704	ug/l	97
56) Ethyl methacrylate	9.116	69	108218	22.714	ug/l	97
57) 1,3-Dichloropropane	9.311	76	121848	20.557	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	283468	105.593	ug/l	100
59) 2-Hexanone	9.433	43	329141	130.710	ug/l	99
60) Dibromochloromethane	9.525	129	80824	19.619	ug/l	98
61) 1,2-Dibromoethane	9.610	107	70193	20.304	ug/l	100
64) Tetrachloroethene	9.275	164	57549	17.911	ug/l	97
65) Chlorobenzene	10.079	112	199845	19.154	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	69506	19.817	ug/l	99
67) Ethyl Benzene	10.195	91	348093	19.482	ug/l	100
68) m/p-Xylenes	10.299	106	259917	38.604	ug/l	99
69) o-Xylene	10.640	106	126534	19.456	ug/l	100
70) Styrene	10.653	104	222942	20.036	ug/l	99
71) Bromoform	10.799	173	52281	20.047	ug/l #	99
73) Isopropylbenzene	10.963	105	340605	20.055	ug/l	99
74) N-amyl acetate	10.842	43	136183	23.597	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	105389	22.567	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	82250m	22.033	ug/l	
77) Bromobenzene	11.195	156	82871	19.589	ug/l	97
78) n-propylbenzene	11.305	91	402900	19.674	ug/l	100
79) 2-Chlorotoluene	11.360	91	240356	19.877	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	282909	20.501	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	28858	20.745	ug/l	96
82) 4-Chlorotoluene	11.451	91	285375	20.451	ug/l	100
83) tert-Butylbenzene	11.713	119	284229	19.942	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	284818	20.419	ug/l	96
85) sec-Butylbenzene	11.890	105	358352	19.941	ug/l	100
86) p-Isopropyltoluene	12.006	119	299426	19.897	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	156473	19.777	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	157348	19.109	ug/l	99
89) n-Butylbenzene	12.329	91	275527	19.486	ug/l	100
90) Hexachloroethane	12.536	117	49615	18.598	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	155199	20.243	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19383	23.730	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	101657	19.517	ug/l	100
94) Hexachlorobutadiene	13.719	225	34779	17.706	ug/l	98
95) Naphthalene	13.774	128	310850	22.648	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	98920	20.100	ug/l	99

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

