

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
 Data File : VX047254.D
 Acq On : 07 Aug 2025 11:58
 Operator : JC/MD
 Sample : VX0807WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBS01

Manual Integrations
 APPROVED

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

Quant Time: Aug 08 02:40:52 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	246718	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	412728	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	372342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	189057	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	144294	46.950	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.900%		
35) Dibromofluoromethane	5.391	113	128383	50.380	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.760%		
50) Toluene-d8	8.647	98	371600	45.028	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.060%#		
62) 4-Bromofluorobenzene	11.079	95	177142	49.809	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.620%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	70743	21.587	ug/l	96
3) Chloromethane	1.313	50	60830	18.766	ug/l	98
4) Vinyl Chloride	1.392	62	73707	21.152	ug/l	99
5) Bromomethane	1.630	94	37291	19.701	ug/l	97
6) Chloroethane	1.709	64	41145	17.978	ug/l	100
7) Trichlorofluoromethane	1.904	101	102409	19.709	ug/l	100
8) Diethyl Ether	2.148	74	35103	19.161	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.349	101	62513	19.969	ug/l	100
10) Methyl Iodide	2.471	142	93945	29.446	ug/l	100
11) Tert butyl alcohol	2.953	59	29542	75.029	ug/l	100
12) 1,1-Dichloroethene	2.337	96	59796	19.286	ug/l	98
13) Acrolein	2.245	56	47452	71.708	ug/l	99
14) Allyl chloride	2.678	41	100017	17.845	ug/l	92
15) Acrylonitrile	3.075	53	138785	94.685	ug/l	99
16) Acetone	2.386	43	145933	118.531	ug/l	100
17) Carbon Disulfide	2.526	76	176190	19.643	ug/l	99
18) Methyl Acetate	2.709	43	63320	19.353	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	182508	19.341	ug/l	100
20) Methylene Chloride	2.800	84	65245	19.263	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	63425	19.990	ug/l	96
22) Diisopropyl ether	3.763	45	212100	19.684	ug/l	89
23) Vinyl Acetate	3.727	43	859766	99.479	ug/l	99
24) 1,1-Dichloroethane	3.617	63	115816	19.328	ug/l	98
25) 2-Butanone	4.568	43	181237	101.097	ug/l	99
26) 2,2-Dichloropropane	4.489	77	91939	19.821	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	72996	19.429	ug/l	99
28) Bromochloromethane	4.910	49	57816	20.973	ug/l	98
29) Tetrahydrofuran	5.025	42	104221	90.104	ug/l	96
30) Chloroform	5.105	83	119209	19.544	ug/l	95
31) Cyclohexane	5.483	56	113460	19.748	ug/l	97
32) 1,1,1-Trichloroethane	5.391	97	104512	19.727	ug/l	100
36) 1,1-Dichloropropene	5.708	75	81978	18.872	ug/l	98
37) Ethyl Acetate	4.721	43	75027	18.744	ug/l	100
38) Carbon Tetrachloride	5.684	117	90331	19.484	ug/l	98
39) Methylcyclohexane	7.385	83	107701	19.858	ug/l	94
40) Benzene	6.044	78	250309	19.912	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	38424	18.360	ug/l	95
42) 1,2-Dichloroethane	6.092	62	88643	20.018	ug/l	98
43) Isopropyl Acetate	6.342	43	124304	19.920	ug/l	99
44) Trichloroethene	7.129	130	62970	19.534	ug/l	86
45) 1,2-Dichloropropane	7.434	63	62199	19.755	ug/l	99
46) Dibromomethane	7.580	93	44720	20.254	ug/l	99
47) Bromodichloromethane	7.824	83	93421	19.879	ug/l	99
48) Methyl methacrylate	7.696	41	63869	18.789	ug/l	98
49) 1,4-Dioxane	7.720	88	13372	345.859	ug/l #	92
51) 4-Methyl-2-Pentanone	8.574	43	362981	97.866	ug/l	99
52) Toluene	8.720	92	157967	20.436	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	86824	19.564	ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	95962	19.757	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	57878	19.966	ug/l	98
56) Ethyl methacrylate	9.116	69	85970	20.033	ug/l	99
57) 1,3-Dichloropropane	9.305	76	101918	20.230	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	237090	99.281	ug/l	100
59) 2-Hexanone	9.427	43	255526	104.277	ug/l	100
60) Dibromochloromethane	9.518	129	68064	20.020	ug/l	99
61) 1,2-Dibromoethane	9.610	107	59694	19.694	ug/l	99
64) Tetrachloroethene	9.275	164	52220	19.455	ug/l	97
65) Chlorobenzene	10.079	112	173476	19.888	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	57109	19.446	ug/l	100
67) Ethyl Benzene	10.195	91	304061	19.937	ug/l	98
68) m/p-Xylenes	10.299	106	228477	40.032	ug/l	100
69) o-Xylene	10.640	106	109437	20.156	ug/l	100
70) Styrene	10.652	104	188124	20.206	ug/l	100
71) Bromoform	10.799	173	42963	19.259	ug/l #	99
73) Isopropylbenzene	10.963	105	290331	19.465	ug/l	99
74) N-amyl acetate	10.841	43	109136	18.135	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	82937	19.466	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	66024m	18.867	ug/l	
77) Bromobenzene	11.195	156	69953	19.553	ug/l	99
78) n-propylbenzene	11.305	91	347537	19.499	ug/l	100
79) 2-Chlorotoluene	11.360	91	205902	19.325	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	241560	19.603	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	17696	13.029	ug/l	94
82) 4-Chlorotoluene	11.451	91	245621	19.751	ug/l	99
83) tert-Butylbenzene	11.713	119	242700	19.623	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	241061	19.613	ug/l	100
85) sec-Butylbenzene	11.890	105	303450	19.637	ug/l	100
86) p-Isopropyltoluene	12.006	119	251527	19.628	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	134594	19.800	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	133860	19.437	ug/l	97
89) n-Butylbenzene	12.329	91	238953	19.883	ug/l	98
90) Hexachloroethane	12.536	117	43226	18.855	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	125167	19.266	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	15706	19.205	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	82018	19.108	ug/l	97
94) Hexachlorobutadiene	13.725	225	31786	21.774	ug/l	96
95) Naphthalene	13.774	128	242497	19.271	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	79750	19.285	ug/l	99

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

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