

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070725\
 Data File : VX046895.D
 Acq On : 07 Jul 2025 09:55
 Operator : JC/MD
 Sample : VX0707WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0707WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/08/2025
 Supervised By : Mahesh Dadoda 07/08/2025

Quant Time: Jul 08 04:44:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 08 04:37:37 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	369486	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	608455	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	547730	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	281233	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	236241	48.397	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.800%		
35) Dibromofluoromethane	5.397	113	201446	48.774	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.540%		
50) Toluene-d8	8.647	98	711081	48.797	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.600%		
62) 4-Bromofluorobenzene	11.079	95	278856	50.351	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.700%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.179	85	65810	18.624	ug/l	96
3) Chloromethane	1.307	50	71027	18.398	ug/l	97
4) Vinyl Chloride	1.386	62	76853	18.280	ug/l	99
5) Bromomethane	1.630	94	52983	19.614	ug/l	93
6) Chloroethane	1.703	64	51630	18.598	ug/l	92
7) Trichlorofluoromethane	1.904	101	121281	18.657	ug/l	95
8) Diethyl Ether	2.148	74	43759	18.915	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.349	101	77985	18.827	ug/l	99
10) Methyl Iodide	2.471	142	78554	17.407	ug/l	98
11) Tert butyl alcohol	2.953	59	31479	98.329	ug/l	98
12) 1,1-Dichloroethene	2.337	96	75091	18.742	ug/l	97
13) Acrolein	2.251	56	36525	95.543	ug/l	95
14) Allyl chloride	2.684	41	133322	18.690	ug/l	99
15) Acrylonitrile	3.075	53	176616	95.420	ug/l	99
16) Acetone	2.386	43	142985	94.303	ug/l	97
17) Carbon Disulfide	2.532	76	180699	17.198	ug/l	98
18) Methyl Acetate	2.715	43	79477	19.887	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	219822	19.429	ug/l	98
20) Methylene Chloride	2.806	84	85652	19.104	ug/l	96
21) trans-1,2-Dichloroethene	3.111	96	76757	18.722	ug/l	94
22) Diisopropyl ether	3.769	45	273031	19.812	ug/l	91
23) Vinyl Acetate	3.733	43	994225	96.298	ug/l	99
24) 1,1-Dichloroethane	3.623	63	148345	18.875	ug/l	98
25) 2-Butanone	4.562	43	202395	100.051	ug/l	98
26) 2,2-Dichloropropane	4.489	77	107736	18.419	ug/l	99
27) cis-1,2-Dichloroethene	4.507	96	94245	18.828	ug/l	99
28) Bromochloromethane	4.916	49	77061	19.867	ug/l	99
29) Tetrahydrofuran	5.013	42	125964	97.682	ug/l	99
30) Chloroform	5.105	83	154890	19.290	ug/l	95
31) Cyclohexane	5.483	56	131460	18.841	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	125203	18.664	ug/l	97
36) 1,1-Dichloropropene	5.702	75	103969	18.657	ug/l	98
37) Ethyl Acetate	4.733	43	89002	18.752	ug/l	97
38) Carbon Tetrachloride	5.690	117	111112	18.860	ug/l	98
39) Methylcyclohexane	7.385	83	127925	18.352	ug/l	97
40) Benzene	6.050	78	321238	19.059	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	52008	20.541	ug/l	98
42) 1,2-Dichloroethane	6.098	62	109536	19.138	ug/l	99
43) Isopropyl Acetate	6.348	43	143465	19.734	ug/l	100
44) Trichloroethene	7.135	130	80408	18.326	ug/l	96
45) 1,2-Dichloropropane	7.433	63	80862	18.989	ug/l	97
46) Dibromomethane	7.586	93	55757	18.897	ug/l	100
47) Bromodichloromethane	7.824	83	117506	18.651	ug/l	96
48) Methyl methacrylate	7.696	41	73364	19.544	ug/l	97
49) 1,4-Dioxane	7.665	88	15898	365.519	ug/l #	88
51) 4-Methyl-2-Pentanone	8.573	43	431587	100.593	ug/l	100
52) Toluene	8.720	92	202492	19.387	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	105558	18.774	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	120874	18.834	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	76560	19.680	ug/l	97
56) Ethyl methacrylate	9.116	69	102438	19.024	ug/l	97
57) 1,3-Dichloropropane	9.311	76	129107	19.273	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	275071	90.666	ug/l	99
59) 2-Hexanone	9.427	43	289000	101.552	ug/l	99
60) Dibromochloromethane	9.518	129	87502	18.794	ug/l	98
61) 1,2-Dibromoethane	9.610	107	75317	19.277	ug/l	99
64) Tetrachloroethene	9.275	164	68491	18.781	ug/l	96
65) Chlorobenzene	10.079	112	224945	18.995	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	76283	19.162	ug/l	98
67) Ethyl Benzene	10.195	91	391355	19.298	ug/l	99
68) m/p-Xylenes	10.299	106	297988	38.994	ug/l	99
69) o-Xylene	10.640	106	144060	19.516	ug/l	97
70) Styrene	10.652	104	248243	19.656	ug/l	99
71) Bromoform	10.799	173	55412	18.720	ug/l #	95
73) Isopropylbenzene	10.963	105	379869	19.215	ug/l	100
74) N-amyl acetate	10.841	43	129724	19.310	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	104016	19.134	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	80843m	18.604	ug/l	
77) Bromobenzene	11.195	156	92460	18.776	ug/l	99
78) n-propylbenzene	11.299	91	453696	19.032	ug/l	100
79) 2-Chlorotoluene	11.360	91	266465	18.931	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	312604	19.460	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	29237	18.055	ug/l	97
82) 4-Chlorotoluene	11.451	91	313955	19.328	ug/l	99
83) tert-Butylbenzene	11.713	119	316086	19.051	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	313790	19.326	ug/l	96
85) sec-Butylbenzene	11.890	105	396693	18.964	ug/l	99
86) p-Isopropyltoluene	12.006	119	329346	18.801	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	175247	19.029	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	176806	18.446	ug/l	99
89) n-Butylbenzene	12.329	91	302108	18.354	ug/l	99
90) Hexachloroethane	12.536	117	54062	17.409	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	167085	18.722	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	17540	18.447	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	112369	18.533	ug/l	99
94) Hexachlorobutadiene	13.719	225	39779	17.397	ug/l	99
95) Naphthalene	13.774	128	305236	19.105	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	106557	18.600	ug/l	99

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

