

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX073025\
 Data File : VX047182.D
 Acq On : 30 Jul 2025 13:11
 Operator : JC/MD
 Sample : VX0730WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0730WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/31/2025
 Supervised By : Mahesh Dadoda 07/31/2025

Quant Time: Jul 31 03:14:21 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	5.562	168	298174	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	503453	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	446612	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	220884	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	173809	46.794	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.580%		
35) Dibromofluoromethane	5.391	113	152760	49.143	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.280%		
50) Toluene-d8	8.647	98	474197	47.105	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.220%		
62) 4-Bromofluorobenzene	11.079	95	211410	48.732	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.460%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	68711	17.349	ug/l	98
3) Chloromethane	1.313	50	59878	15.284	ug/l	96
4) Vinyl Chloride	1.392	62	72938	17.320	ug/l	98
5) Bromomethane	1.630	94	35765	15.634	ug/l	98
6) Chloroethane	1.709	64	44866	16.221	ug/l	97
7) Trichlorofluoromethane	1.910	101	108622	17.297	ug/l	97
8) Diethyl Ether	2.142	74	37922	17.127	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.349	101	64832	17.136	ug/l	100
10) Methyl Iodide	2.471	142	73218	18.989	ug/l	94
11) Tert butyl alcohol	2.959	59	36896	77.894	ug/l	98
12) 1,1-Dichloroethene	2.337	96	62905	16.787	ug/l	96
13) Acrolein	2.251	56	60037	75.069	ug/l	99
14) Allyl chloride	2.678	41	108207	15.975	ug/l	96
15) Acrylonitrile	3.075	53	159907	90.269	ug/l	98
16) Acetone	2.386	43	128894	86.625	ug/l	98
17) Carbon Disulfide	2.526	76	165052	15.225	ug/l	99
18) Methyl Acetate	2.715	43	78995	19.977	ug/l	97
19) Methyl tert-butyl Ether	3.123	73	206163	18.078	ug/l	98
20) Methylene Chloride	2.800	84	69737	17.036	ug/l	99
21) trans-1,2-Dichloroethene	3.111	96	65214	17.007	ug/l	98
22) Diisopropyl ether	3.769	45	235765	18.104	ug/l	96
23) Vinyl Acetate	3.733	43	939746	89.969	ug/l	99
24) 1,1-Dichloroethane	3.623	63	128385	17.729	ug/l	99
25) 2-Butanone	4.568	43	194514	89.779	ug/l	97
26) 2,2-Dichloropropane	4.483	77	86990	15.518	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	79720	17.557	ug/l	98
28) Bromochloromethane	4.910	49	68139	20.452	ug/l	99
29) Tetrahydrofuran	5.013	42	122802	87.846	ug/l	98
30) Chloroform	5.105	83	130886	17.756	ug/l	98
31) Cyclohexane	5.477	56	119125	17.156	ug/l	96
32) 1,1,1-Trichloroethane	5.391	97	112125	17.512	ug/l	100
36) 1,1-Dichloropropene	5.702	75	89234	16.841	ug/l	99
37) Ethyl Acetate	4.721	43	89039	18.236	ug/l	98
38) Carbon Tetrachloride	5.690	117	97625	17.262	ug/l	98
39) Methylcyclohexane	7.385	83	111156	16.802	ug/l	96
40) Benzene	6.043	78	267478	17.443	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	45893	17.977	ug/l	97
42) 1,2-Dichloroethane	6.092	62	96682	17.899	ug/l	100
43) Isopropyl Acetate	6.342	43	141419	18.579	ug/l	99
44) Trichloroethene	7.129	130	65654	16.696	ug/l	98
45) 1,2-Dichloropropane	7.433	63	67252	17.511	ug/l	97
46) Dibromomethane	7.586	93	48876	18.147	ug/l	98
47) Bromodichloromethane	7.824	83	101394	17.687	ug/l	98
48) Methyl methacrylate	7.696	41	73258	17.667	ug/l	99
49) 1,4-Dioxane	7.720	88	17062	361.775	ug/l #	90
51) 4-Methyl-2-Pentanone	8.574	43	421372	93.136	ug/l	98
52) Toluene	8.720	92	167704	17.786	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	90576	16.732	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	101332	17.103	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	63533	17.967	ug/l	99
56) Ethyl methacrylate	9.116	69	96240	18.385	ug/l	96
57) 1,3-Dichloropropane	9.305	76	110099	17.915	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	261489	89.766	ug/l	99
59) 2-Hexanone	9.427	43	288681	96.578	ug/l	99
60) Dibromochloromethane	9.518	129	74723	18.018	ug/l	100
61) 1,2-Dibromoethane	9.610	107	65007	17.582	ug/l	100
64) Tetrachloroethene	9.275	164	55385	17.203	ug/l	95
65) Chlorobenzene	10.079	112	181302	17.328	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	61878	17.566	ug/l	99
67) Ethyl Benzene	10.195	91	324073	17.715	ug/l	98
68) m/p-Xylenes	10.299	106	241432	35.267	ug/l	100
69) o-Xylene	10.640	106	116609	17.905	ug/l	100
70) Styrene	10.652	104	200641	17.967	ug/l	99
71) Bromoform	10.799	173	47264	17.663	ug/l #	99
73) Isopropylbenzene	10.963	105	311240	17.860	ug/l	100
74) N-amyl acetate	10.841	43	122950	17.486	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	92166	18.515	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	72335m	17.692	ug/l	
77) Bromobenzene	11.195	156	73950	17.692	ug/l	98
78) n-propylbenzene	11.305	91	370540	17.794	ug/l	99
79) 2-Chlorotoluene	11.360	91	218329	17.539	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	257131	17.860	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	16229	10.227	ug/l	93
82) 4-Chlorotoluene	11.451	91	261833	18.021	ug/l	100
83) tert-Butylbenzene	11.713	119	259961	17.990	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	257396	17.925	ug/l	100
85) sec-Butylbenzene	11.890	105	328276	18.182	ug/l	99
86) p-Isopropyltoluene	12.006	119	272178	18.179	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	140534	17.695	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	141150	17.542	ug/l	97
89) n-Butylbenzene	12.329	91	252589	17.989	ug/l	99
90) Hexachloroethane	12.536	117	46547	17.378	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	134776	17.756	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	17902	18.736	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	93145	18.573	ug/l	98
94) Hexachlorobutadiene	13.725	225	32485	19.046	ug/l	98
95) Naphthalene	13.774	128	276458	18.804	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	87200	18.049	ug/l	98

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

