

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060925\
 Data File : VX046569.D
 Acq On : 09 Jun 2025 11:33
 Operator : JC/MD
 Sample : VX0609WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0609WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/10/2025
 Supervised By : Mahesh Dadoda 06/10/2025

Quant Time: Jun 10 01:39:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	91361	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	155269	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	142779	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	76583	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	73996	45.525	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.040%		
35) Dibromofluoromethane	5.397	113	56296	49.303	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.600%		
50) Toluene-d8	8.647	98	184685	49.059	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.120%		
62) 4-Bromofluorobenzene	11.079	95	79649	51.137	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	102.280%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	20195	15.922	ug/l	100
3) Chloromethane	1.307	50	18697	16.195	ug/l	100
4) Vinyl Chloride	1.386	62	19367	16.828	ug/l	99
5) Bromomethane	1.624	94	12766	18.272	ug/l	96
6) Chloroethane	1.703	64	12257	16.415	ug/l	97
7) Trichlorofluoromethane	1.904	101	33231	17.452	ug/l	97
8) Diethyl Ether	2.148	74	11721	17.422	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.349	101	21148	17.628	ug/l	95
10) Methyl Iodide	2.471	142	23447	18.030	ug/l	98
11) Tert butyl alcohol	2.953	59	11879	65.863	ug/l	96
12) 1,1-Dichloroethene	2.337	96	18863	17.390	ug/l	98
13) Acrolein	2.252	56	12764	81.497	ug/l	98
14) Allyl chloride	2.678	41	36456	17.113	ug/l	96
15) Acrylonitrile	3.075	53	56818	83.319	ug/l	99
16) Acetone	2.386	43	46505	76.115	ug/l	100
17) Carbon Disulfide	2.526	76	38635	16.910	ug/l	97
18) Methyl Acetate	2.715	43	33023	17.057	ug/l	98
19) Methyl tert-butyl Ether	3.130	73	70281	18.517	ug/l	94
20) Methylene Chloride	2.806	84	22739	17.438	ug/l	91
21) trans-1,2-Dichloroethene	3.111	96	19201	16.727	ug/l	96
22) Diisopropyl ether	3.770	45	77520	18.458	ug/l #	67
23) Vinyl Acetate	3.733	43	286183	88.259	ug/l	99
24) 1,1-Dichloroethane	3.623	63	41617	17.780	ug/l	98
25) 2-Butanone	4.562	43	69367	76.663	ug/l	100
26) 2,2-Dichloropropane	4.483	77	32030	18.433	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	24837	17.576	ug/l	97
28) Bromochloromethane	4.910	49	21273	19.055	ug/l	99
29) Tetrahydrofuran	5.013	42	45861	80.256	ug/l	97
30) Chloroform	5.105	83	45376	18.501	ug/l	96
31) Cyclohexane	5.477	56	33454	17.704	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	38554	18.377	ug/l	98
36) 1,1-Dichloropropene	5.702	75	27923	17.120	ug/l	98
37) Ethyl Acetate	4.727	43	29533m	18.552	ug/l	
38) Carbon Tetrachloride	5.690	117	32651	17.873	ug/l	99
39) Methylcyclohexane	7.385	83	32429	16.845	ug/l	97
40) Benzene	6.050	78	84655	18.437	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	17513	17.716	ug/l	96
42) 1,2-Dichloroethane	6.099	62	35062	18.355	ug/l	98
43) Isopropyl Acetate	6.348	43	47363	17.067	ug/l	98
44) Trichloroethene	7.135	130	20640	17.691	ug/l	96
45) 1,2-Dichloropropane	7.434	63	22574	19.047	ug/l	97
46) Dibromomethane	7.586	93	16219	18.191	ug/l	98
47) Bromodichloromethane	7.824	83	35181	19.190	ug/l	96
48) Methyl methacrylate	7.702	41	24169	16.927	ug/l	95
49) 1,4-Dioxane	7.665	88	5991	313.755	ug/l #	92
51) 4-Methyl-2-Pentanone	8.574	43	152957	86.734	ug/l	99
52) Toluene	8.720	92	53532	18.977	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	30600	18.616	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	34405	18.825	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	21929	19.364	ug/l	96
56) Ethyl methacrylate	9.116	69	32257	18.510	ug/l	96
57) 1,3-Dichloropropane	9.311	76	37746	18.861	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	86307	90.923	ug/l	99
59) 2-Hexanone	9.433	43	105616	83.506	ug/l	98
60) Dibromochloromethane	9.519	129	25565	19.192	ug/l	100
61) 1,2-Dibromoethane	9.610	107	21294	18.045	ug/l	95
64) Tetrachloroethene	9.275	164	16540	17.324	ug/l	92
65) Chlorobenzene	10.080	112	60250	17.942	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	21353	18.818	ug/l	99
67) Ethyl Benzene	10.195	91	104701	17.860	ug/l	96
68) m/p-Xylenes	10.299	106	77649	36.514	ug/l	99
69) o-Xylene	10.640	106	38208	18.576	ug/l	98
70) Styrene	10.653	104	67023	19.036	ug/l	97
71) Bromoform	10.799	173	15816	18.280	ug/l #	98
73) Isopropylbenzene	10.964	105	103620	17.212	ug/l	100
74) N-amyl acetate	10.842	43	42186	15.912	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	32074	16.645	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	25732m	15.863	ug/l	
77) Bromobenzene	11.195	156	24304	17.393	ug/l	96
78) n-propylbenzene	11.305	91	121782	16.713	ug/l	100
79) 2-Chlorotoluene	11.360	91	74549	16.966	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	86867	17.316	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8751	15.562	ug/l	96
82) 4-Chlorotoluene	11.451	91	87735	16.845	ug/l	98
83) tert-Butylbenzene	11.713	119	87890	17.210	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	86635	17.071	ug/l	100
85) sec-Butylbenzene	11.890	105	111388	16.975	ug/l	100
86) p-Isopropyltoluene	12.006	119	92352	16.882	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	46064	16.976	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	46990	16.713	ug/l	96
89) n-Butylbenzene	12.329	91	89382	16.638	ug/l	98
90) Hexachloroethane	12.536	117	15940	16.394	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	46134	17.614	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6687	15.497	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	29294	16.395	ug/l	100
94) Hexachlorobutadiene	13.725	225	13454	16.203	ug/l	97
95) Naphthalene	13.774	128	92298	16.290	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	29133	16.261	ug/l	99

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

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