

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
 Data File : VX046590.D
 Acq On : 10 Jun 2025 10:44
 Operator : JC/MD
 Sample : VX0610WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0610WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/11/2025
 Supervised By : Mahesh Dadoda 06/11/2025

Quant Time: Jun 11 01:43:18 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	79698	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	139229	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	126313	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65284	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	69863	49.272	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.540%			
35) Dibromofluoromethane	5.391	113	53548	52.299	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.600%			
50) Toluene-d8	8.647	98	172301	51.043	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.080%			
62) 4-Bromofluorobenzene	11.079	95	73113	52.349	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.700%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.184	85	19714	17.817	ug/l	97
3) Chloromethane	1.306	50	17982	17.855	ug/l	94
4) Vinyl Chloride	1.386	62	19173	19.098	ug/l	96
5) Bromomethane	1.623	94	12029	19.736	ug/l	95
6) Chloroethane	1.703	64	11655	17.893	ug/l	96
7) Trichlorofluoromethane	1.904	101	32041	19.289	ug/l	97
8) Diethyl Ether	2.148	74	11524	19.635	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.343	101	20490	19.579	ug/l	95
10) Methyl Iodide	2.465	142	24020	21.173	ug/l	100
11) Tert butyl alcohol	2.959	59	12773	81.183	ug/l	97
12) 1,1-Dichloroethene	2.337	96	18698	19.761	ug/l	90
13) Acrolein	2.251	56	18334	114.790	ug/l	99
14) Allyl chloride	2.678	41	36552	19.670	ug/l	94
15) Acrylonitrile	3.074	53	59520	100.054	ug/l	99
16) Acetone	2.385	43	49623	92.079	ug/l	94
17) Carbon Disulfide	2.526	76	38042	19.061	ug/l	96
18) Methyl Acetate	2.715	43	34953	20.695	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	71303	21.536	ug/l	97
20) Methylene Chloride	2.800	84	22898	20.130	ug/l	100
21) trans-1,2-Dichloroethene	3.105	96	19750	19.723	ug/l	97
22) Diisopropyl ether	3.769	45	79532	21.708	ug/l #	68
23) Vinyl Acetate	3.733	43	295435	104.446	ug/l	100
24) 1,1-Dichloroethane	3.623	63	42302	20.717	ug/l	99
25) 2-Butanone	4.562	43	73687	93.355	ug/l	100
26) 2,2-Dichloropropane	4.495	77	31719	20.925	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	25251	20.484	ug/l	97
28) Bromochloromethane	4.903	49	20382	20.928	ug/l	100
29) Tetrahydrofuran	5.013	42	46579	93.442	ug/l	99
30) Chloroform	5.104	83	46110	21.552	ug/l	96
31) Cyclohexane	5.476	56	33496	20.320	ug/l	97
32) 1,1,1-Trichloroethane	5.391	97	38162	20.852	ug/l	97
36) 1,1-Dichloropropene	5.702	75	26610	18.194	ug/l	97
37) Ethyl Acetate	4.720	43	29636	20.762	ug/l	99
38) Carbon Tetrachloride	5.690	117	32421	19.791	ug/l	97
39) Methylcyclohexane	7.385	83	33599	19.463	ug/l	98
40) Benzene	6.049	78	84785	20.592	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	17305	19.522	ug/l	94
42) 1,2-Dichloroethane	6.092	62	35332	20.627	ug/l	97
43) Isopropyl Acetate	6.342	43	49240	19.787	ug/l	99
44) Trichloroethene	7.128	130	20662	19.751	ug/l	97
45) 1,2-Dichloropropane	7.433	63	22717	21.376	ug/l	100
46) Dibromomethane	7.586	93	16680	20.863	ug/l	97
47) Bromodichloromethane	7.824	83	36402	22.144	ug/l	100
48) Methyl methacrylate	7.695	41	25589	19.986	ug/l	94
49) 1,4-Dioxane	7.659	88	6531	381.440	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	160533	101.517	ug/l	100
52) Toluene	8.720	92	53830	21.281	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	31270	21.215	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	35060	21.394	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	22637	22.292	ug/l	98
56) Ethyl methacrylate	9.116	69	33471	21.419	ug/l	95
57) 1,3-Dichloropropane	9.311	76	39409	21.961	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.244	63	80781	94.906	ug/l	99
59) 2-Hexanone	9.427	43	109874	96.880	ug/l	98
60) Dibromochloromethane	9.518	129	26619	22.286	ug/l	97
61) 1,2-Dibromoethane	9.610	107	22947	21.686	ug/l	99
64) Tetrachloroethene	9.274	164	16706	19.779	ug/l	97
65) Chlorobenzene	10.079	112	60350	20.315	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	22060	21.975	ug/l	99
67) Ethyl Benzene	10.195	91	106184	20.474	ug/l	98
68) m/p-Xylenes	10.299	106	79852	42.445	ug/l	99
69) o-Xylene	10.640	106	38136	20.958	ug/l	100
70) Styrene	10.652	104	67308	21.609	ug/l	98
71) Bromoform	10.799	173	16667	21.775	ug/l #	96
73) Isopropylbenzene	10.963	105	105188	20.497	ug/l	99
74) N-amyl acetate	10.841	43	43899	19.424	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	33998	20.697	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	27348m	19.777	ug/l	
77) Bromobenzene	11.195	156	25071	21.047	ug/l	95
78) n-propylbenzene	11.305	91	123754	19.923	ug/l	99
79) 2-Chlorotoluene	11.359	91	75334	20.112	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	88592	20.716	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	9083	18.948	ug/l	96
82) 4-Chlorotoluene	11.451	91	88877	20.018	ug/l	98
83) tert-Butylbenzene	11.713	119	89858	20.641	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	88738	20.512	ug/l	99
85) sec-Butylbenzene	11.890	105	113499	20.290	ug/l	100
86) p-Isopropyltoluene	12.006	119	94330	20.228	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	47031	20.333	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	48118	20.076	ug/l	98
89) n-Butylbenzene	12.329	91	91794	20.045	ug/l	99
90) Hexachloroethane	12.536	117	16304	19.671	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	46557	20.852	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	6753	18.358	ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	30842	20.249	ug/l	97
94) Hexachlorobutadiene	13.725	225	13499	19.071	ug/l	96
95) Naphthalene	13.774	128	95309	19.732	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	29998	19.642	ug/l	99

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

