

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
 Data File : VX046437.D
 Acq On : 02 Jun 2025 12:04
 Operator : JC/MD
 Sample : VX0602WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0602WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/03/2025
 Supervised By : Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 01:27:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	82810	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	146139	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127160	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	61222	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	77318	50.081	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.160%			
35) Dibromofluoromethane	5.379	113	53402	50.745	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.500%			
50) Toluene-d8	8.647	98	175829	48.274	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.540%			
62) 4-Bromofluorobenzene	11.079	95	69734	49.912	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.820%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	21746	17.157	ug/l	96
3) Chloromethane	1.300	50	20739	16.873	ug/l	98
4) Vinyl Chloride	1.374	62	19031	16.636	ug/l	98
5) Bromomethane	1.593	94	9131	17.210	ug/l	96
6) Chloroethane	1.672	64	11190	18.324	ug/l	94
7) Trichlorofluoromethane	1.880	101	30644	18.126	ug/l	98
8) Diethyl Ether	2.130	74	11118	19.318	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	20067	19.180	ug/l	98
10) Methyl Iodide	2.447	142	21463	17.337	ug/l	99
11) Tert butyl alcohol	2.977	59	24436	112.760	ug/l	100
12) 1,1-Dichloroethene	2.312	96	17640	17.965	ug/l	98
13) Acrolein	2.233	56	15917	64.494	ug/l	98
14) Allyl chloride	2.654	41	37372	19.914	ug/l	95
15) Acrylonitrile	3.062	53	67541	108.996	ug/l	98
16) Acetone	2.380	43	64858	104.777	ug/l	98
17) Carbon Disulfide	2.501	76	32688	14.042	ug/l	100
18) Methyl Acetate	2.703	43	39060	27.193	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	71829	20.865	ug/l	98
20) Methylene Chloride	2.782	84	22268	18.772	ug/l	92
21) trans-1,2-Dichloroethene	3.087	96	18157	18.387	ug/l	98
22) Diisopropyl ether	3.757	45	77571	21.399	ug/l	99
23) Vinyl Acetate	3.715	43	315651	99.003	ug/l	99
24) 1,1-Dichloroethane	3.605	63	40837	20.226	ug/l	98
25) 2-Butanone	4.556	43	98209	109.283	ug/l	100
26) 2,2-Dichloropropane	4.458	77	31191	19.737	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	23607	19.859	ug/l	99
28) Bromochloromethane	4.891	49	22980	23.645	ug/l	97
29) Tetrahydrofuran	5.007	42	60045	106.628	ug/l	99
30) Chloroform	5.086	83	43797	20.812	ug/l	97
31) Cyclohexane	5.458	56	32380	17.599	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	35925	19.693	ug/l	99
36) 1,1-Dichloropropene	5.684	75	26070	18.438	ug/l	99
37) Ethyl Acetate	4.708	43	35515	20.330	ug/l	99
38) Carbon Tetrachloride	5.665	117	30583	19.250	ug/l	99
39) Methylcyclohexane	7.373	83	31246	17.165	ug/l	95
40) Benzene	6.031	78	81525	19.685	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	20414	22.339	ug/l	97
42) 1,2-Dichloroethane	6.086	62	37186	20.804	ug/l	99
43) Isopropyl Acetate	6.336	43	57875	21.716	ug/l	98
44) Trichloroethene	7.123	130	19271	19.333	ug/l	98
45) 1,2-Dichloropropane	7.427	63	21507	20.884	ug/l	95
46) Dibromomethane	7.580	93	16653	20.503	ug/l	98
47) Bromodichloromethane	7.818	83	33339	20.840	ug/l	98
48) Methyl methacrylate	7.690	41	29111	21.388	ug/l	99
49) 1,4-Dioxane	7.659	88	11361	439.619	ug/l	97
51) 4-Methyl-2-Pentanone	8.567	43	197330	111.548	ug/l	99
52) Toluene	8.714	92	50495	19.884	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	28257	19.872	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	31769	20.214	ug/l	94
55) 1,1,2-Trichloroethane	9.147	97	21613	21.584	ug/l	98
56) Ethyl methacrylate	9.116	69	33611	21.060	ug/l	98
57) 1,3-Dichloropropane	9.305	76	37495	20.850	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	91268	112.173	ug/l	99
59) 2-Hexanone	9.427	43	148362	113.359	ug/l	98
60) Dibromochloromethane	9.518	129	23696	21.547	ug/l	97
61) 1,2-Dibromoethane	9.610	107	21686	20.837	ug/l	95
64) Tetrachloroethene	9.269	164	16548	18.393	ug/l	95
65) Chlorobenzene	10.073	112	54830	19.700	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	19447	20.462	ug/l	94
67) Ethyl Benzene	10.189	91	97860	19.947	ug/l	97
68) m/p-Xylenes	10.299	106	72052	40.155	ug/l	99
69) o-Xylene	10.640	106	36064	20.616	ug/l	99
70) Styrene	10.652	104	59838	20.881	ug/l	99
71) Bromoform	10.799	173	14851	20.813	ug/l #	100
73) Isopropylbenzene	10.957	105	96376	20.220	ug/l	100
74) N-amyl acetate	10.841	43	48582	20.627	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	35883	21.483	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	30157m	20.464	ug/l	
77) Bromobenzene	11.195	156	21867	19.761	ug/l	98
78) n-propylbenzene	11.299	91	110640	19.964	ug/l	99
79) 2-Chlorotoluene	11.360	91	70031	19.591	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	81777	20.537	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8400	18.558	ug/l	91
82) 4-Chlorotoluene	11.451	91	79959	20.171	ug/l	100
83) tert-Butylbenzene	11.713	119	82089	20.466	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	81564	20.227	ug/l	100
85) sec-Butylbenzene	11.890	105	100143	20.335	ug/l	100
86) p-Isopropyltoluene	12.006	119	83098	20.442	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	40612	20.110	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	41136	19.945	ug/l	98
89) n-Butylbenzene	12.329	91	71109	19.942	ug/l	99
90) Hexachloroethane	12.536	117	13973	19.511	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	42614	21.028	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7991	21.596	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	22846	19.628	ug/l	100
94) Hexachlorobutadiene	13.725	225	10419	20.495	ug/l	98
95) Naphthalene	13.774	128	83641	19.592	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	24644	20.519	ug/l	99

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

