

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
 Data File : VX046589.D
 Acq On : 10 Jun 2025 10:18
 Operator : JC/MD
 Sample : VX0610WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0610WBS01

Manual Integrations
 APPROVED

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

Quant Time: Jun 11 01:42:24 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	84052	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	143506	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	131426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	68222	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	70828	47.365	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.720%			
35) Dibromofluoromethane	5.397	113	55906	52.974	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.940%			
50) Toluene-d8	8.647	98	179208	51.507	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.020%			
62) 4-Bromofluorobenzene	11.079	95	76446	53.104	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.200%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.185	85	21364	18.308	ug/l	100
3) Chloromethane	1.307	50	19522	18.380	ug/l	96
4) Vinyl Chloride	1.386	62	19755	18.658	ug/l	95
5) Bromomethane	1.630	94	12259	19.072	ug/l	100
6) Chloroethane	1.703	64	11361	16.538	ug/l #	87
7) Trichlorofluoromethane	1.904	101	31526	17.996	ug/l	97
8) Diethyl Ether	2.148	74	10811	17.466	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.343	101	21056	19.078	ug/l	95
10) Methyl Iodide	2.465	142	24545	20.515	ug/l	96
11) Tert butyl alcohol	2.959	59	11873	71.554	ug/l	97
12) 1,1-Dichloroethene	2.337	96	19187	19.227	ug/l	85
13) Acrolein	2.251	56	15557	98.221	ug/l	100
14) Allyl chloride	2.684	41	34982	17.850	ug/l	93
15) Acrylonitrile	3.075	53	58538	93.306	ug/l	98
16) Acetone	2.392	43	44483	78.955	ug/l	93
17) Carbon Disulfide	2.526	76	39330	18.689	ug/l	99
18) Methyl Acetate	2.715	43	32974	18.512	ug/l	97
19) Methyl tert-butyl Ether	3.123	73	70651	20.234	ug/l	98
20) Methylene Chloride	2.806	84	22844	19.042	ug/l	92
21) trans-1,2-Dichloroethene	3.105	96	20405	19.322	ug/l	93
22) Diisopropyl ether	3.776	45	81863	21.187	ug/l #	82
23) Vinyl Acetate	3.733	43	295594	99.089	ug/l	100
24) 1,1-Dichloroethane	3.629	63	43840	20.358	ug/l	98
25) 2-Butanone	4.568	43	72292	86.843	ug/l	98
26) 2,2-Dichloropropane	4.489	77	32929	20.598	ug/l	98
27) cis-1,2-Dichloroethene	4.507	96	26773	20.594	ug/l	95
28) Bromochloromethane	4.916	49	20852	20.302	ug/l	99
29) Tetrahydrofuran	5.019	42	45988	87.477	ug/l	100
30) Chloroform	5.105	83	47450	21.029	ug/l	99
31) Cyclohexane	5.483	56	33142	19.064	ug/l	89
32) 1,1,1-Trichloroethane	5.397	97	39813	20.627	ug/l	97
36) 1,1-Dichloropropene	5.702	75	29838	19.793	ug/l	99
37) Ethyl Acetate	4.733	43	29233	19.869	ug/l	98
38) Carbon Tetrachloride	5.690	117	34504	20.435	ug/l	99
39) Methylcyclohexane	7.385	83	34288	19.270	ug/l	99
40) Benzene	6.050	78	88942	20.958	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	16637	18.209	ug/l	93
42) 1,2-Dichloroethane	6.098	62	36740	20.810	ug/l	99
43) Isopropyl Acetate	6.348	43	49580	19.330	ug/l	100
44) Trichloroethene	7.129	130	21670	20.097	ug/l	99
45) 1,2-Dichloropropane	7.433	63	23739	21.672	ug/l	99
46) Dibromomethane	7.586	93	17188	20.858	ug/l	98
47) Bromodichloromethane	7.824	83	37295	22.011	ug/l	95
48) Methyl methacrylate	7.696	41	25179	19.079	ug/l	95
49) 1,4-Dioxane	7.659	88	6473	366.785	ug/l #	90
51) 4-Methyl-2-Pentanone	8.573	43	160847	98.684	ug/l	100
52) Toluene	8.720	92	55219	21.179	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	31694	20.862	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	35775	21.180	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	22559	21.553	ug/l	95
56) Ethyl methacrylate	9.116	69	32654	20.274	ug/l	95
57) 1,3-Dichloropropane	9.311	76	39081	21.129	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	81610	93.023	ug/l	98
59) 2-Hexanone	9.433	43	111008	94.963	ug/l	99
60) Dibromochloromethane	9.518	129	27795	22.577	ug/l	97
61) 1,2-Dibromoethane	9.610	107	22620	20.739	ug/l	98
64) Tetrachloroethene	9.275	164	17851	20.312	ug/l	94
65) Chlorobenzene	10.079	112	62603	20.253	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	22301	21.351	ug/l	99
67) Ethyl Benzene	10.195	91	109725	20.334	ug/l	98
68) m/p-Xylenes	10.299	106	81525	41.649	ug/l	98
69) o-Xylene	10.640	106	40019	21.137	ug/l	98
70) Styrene	10.652	104	69335	21.393	ug/l	99
71) Bromoform	10.799	173	16884	21.200	ug/l #	99
73) Isopropylbenzene	10.963	105	108394	20.212	ug/l	99
74) N-amyl acetate	10.841	43	43808	18.549	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	34119	19.876	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	27186m	18.813	ug/l	
77) Bromobenzene	11.195	156	26036	20.916	ug/l	96
78) n-propylbenzene	11.305	91	129891	20.011	ug/l	100
79) 2-Chlorotoluene	11.366	91	78249	19.991	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	91704	20.520	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8748	17.463	ug/l	98
82) 4-Chlorotoluene	11.451	91	93212	20.090	ug/l	97
83) tert-Butylbenzene	11.713	119	92923	20.426	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	94205	20.838	ug/l	99
85) sec-Butylbenzene	11.890	105	119911	20.513	ug/l	100
86) p-Isopropyltoluene	12.006	119	98241	20.160	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	48297	19.981	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	49276	19.673	ug/l	98
89) n-Butylbenzene	12.329	91	95315	19.917	ug/l	99
90) Hexachloroethane	12.536	117	16834	19.436	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	48730	20.885	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	6919	18.000	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	30939	19.438	ug/l	100
94) Hexachlorobutadiene	13.719	225	14378	19.438	ug/l	98
95) Naphthalene	13.774	128	98907	19.595	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	30702	19.237	ug/l	100

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

