

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
 Data File : VX046413.D
 Acq On : 30 May 2025 11:55
 Operator : JC/MD
 Sample : VX0530WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0530WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/02/2025
 Supervised By : Mahesh Dadoda 06/02/2025

Quant Time: May 30 23:24:39 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	81578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	145807	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127712	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60852	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	76819	50.510	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.020%			
35) Dibromofluoromethane	5.379	113	52825	50.311	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.620%			
50) Toluene-d8	8.647	98	172547	47.480	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.960%			
62) 4-Bromofluorobenzene	11.079	95	68371	49.047	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.100%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	21494	17.214	ug/l	99
3) Chloromethane	1.307	50	19820	16.369	ug/l	96
4) Vinyl Chloride	1.374	62	18255	16.199	ug/l	99
5) Bromomethane	1.593	94	8990	17.200	ug/l	97
6) Chloroethane	1.666	64	11028	18.331	ug/l	95
7) Trichlorofluoromethane	1.874	101	30531	18.332	ug/l	95
8) Diethyl Ether	2.130	74	10561	18.627	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	19284	18.710	ug/l	98
10) Methyl Iodide	2.447	142	21500	17.629	ug/l	99
11) Tert butyl alcohol	2.971	59	24637	115.404	ug/l	100
12) 1,1-Dichloroethene	2.313	96	16500	17.058	ug/l	98
13) Acrolein	2.233	56	16506	67.891	ug/l	98
14) Allyl chloride	2.654	41	35994	19.470	ug/l	96
15) Acrylonitrile	3.063	53	67712	110.922	ug/l	97
16) Acetone	2.380	43	66624	109.256	ug/l	100
17) Carbon Disulfide	2.502	76	32386	14.122	ug/l #	95
18) Methyl Acetate	2.703	43	37969	26.832	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	69904	20.613	ug/l	98
20) Methylene Chloride	2.782	84	21739	18.603	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	17374	17.860	ug/l	98
22) Diisopropyl ether	3.758	45	74946	20.987	ug/l	95
23) Vinyl Acetate	3.715	43	311196	99.080	ug/l	99
24) 1,1-Dichloroethane	3.605	63	39878	20.049	ug/l	97
25) 2-Butanone	4.556	43	99207	112.061	ug/l	97
26) 2,2-Dichloropropane	4.471	77	27928	17.939	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	23211	19.820	ug/l	99
28) Bromochloromethane	4.891	49	20979	21.912	ug/l	95
29) Tetrahydrofuran	5.001	42	61848	111.488	ug/l	98
30) Chloroform	5.087	83	43358	20.914	ug/l	96
31) Cyclohexane	5.458	56	31693	17.486	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	34684	19.300	ug/l	100
36) 1,1-Dichloropropene	5.690	75	25597	18.144	ug/l	99
37) Ethyl Acetate	4.715	43	35682	20.472	ug/l	98
38) Carbon Tetrachloride	5.666	117	29548	18.641	ug/l	98
39) Methylcyclohexane	7.373	83	31033	17.087	ug/l	96
40) Benzene	6.032	78	79276	19.185	ug/l	99

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41) Methacrylonitrile	4.916	41	21300	23.361	ug/l	97
42) 1,2-Dichloroethane	6.080	62	35621	19.974	ug/l	100
43) Isopropyl Acetate	6.336	43	56506	21.251	ug/l	98
44) Trichloroethene	7.123	130	18642	18.744	ug/l	97
45) 1,2-Dichloropropane	7.428	63	21035	20.472	ug/l	95
46) Dibromomethane	7.580	93	16483	20.340	ug/l	98
47) Bromodichloromethane	7.818	83	32624	20.440	ug/l	96
48) Methyl methacrylate	7.690	41	29375	21.632	ug/l	98
49) 1,4-Dioxane	7.659	88	12171	472.035	ug/l	99
51) 4-Methyl-2-Pentanone	8.568	43	201687	114.270	ug/l	98
52) Toluene	8.714	92	48516	19.148	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	27653	19.492	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	30122	19.210	ug/l	94
55) 1,1,2-Trichloroethane	9.147	97	21232	21.252	ug/l	96
56) Ethyl methacrylate	9.116	69	33915	21.299	ug/l	98
57) 1,3-Dichloropropane	9.305	76	36382	20.277	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	93332	114.971	ug/l	100
59) 2-Hexanone	9.427	43	148657	113.843	ug/l	98
60) Dibromochloromethane	9.519	129	22470	20.479	ug/l	100
61) 1,2-Dibromoethane	9.610	107	21087	20.307	ug/l	99
64) Tetrachloroethene	9.269	164	17333	19.182	ug/l	93
65) Chlorobenzene	10.073	112	54427	19.471	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	19080	19.989	ug/l	97
67) Ethyl Benzene	10.189	91	95748	19.432	ug/l	100
68) m/p-Xylenes	10.299	106	71107	39.457	ug/l	100
69) o-Xylene	10.640	106	35032	19.939	ug/l	97
70) Styrene	10.653	104	58690	20.392	ug/l	99
71) Bromoform	10.799	173	14123	19.708	ug/l #	95
73) Isopropylbenzene	10.957	105	94263	19.897	ug/l	98
74) N-amyl acetate	10.842	43	47306	20.207	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	34310	20.666	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	30249m	20.651	ug/l	
77) Bromobenzene	11.195	156	22032	20.031	ug/l	99
78) n-propylbenzene	11.299	91	108214	19.645	ug/l	100
79) 2-Chlorotoluene	11.360	91	68808	19.366	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	80315	20.293	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	7998	17.777	ug/l	85
82) 4-Chlorotoluene	11.451	91	77928	19.778	ug/l	99
83) tert-Butylbenzene	11.713	119	78878	19.785	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	81005	20.211	ug/l	100
85) sec-Butylbenzene	11.890	105	98194	20.060	ug/l	99
86) p-Isopropyltoluene	12.006	119	81138	20.081	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	40059	19.957	ug/l	98
88) 1,4-Dichlorobenzene	12.037	146	40124	19.573	ug/l	98
89) n-Butylbenzene	12.329	91	68940	19.452	ug/l	99
90) Hexachloroethane	12.536	117	13761	19.332	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	40902	20.306	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7830	21.290	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	22080	19.085	ug/l	99
94) Hexachlorobutadiene	13.719	225	10190	20.167	ug/l	99
95) Naphthalene	13.774	128	83980	19.791	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	23113	19.361	ug/l	98

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

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