

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051625\
 Data File : VX046231.D
 Acq On : 16 May 2025 10:36
 Operator : JC/MD
 Sample : VX0516WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/19/2025
 Supervised By : Semsettin Yesilyurt 05/19/2025

Quant Time: May 16 23:00:13 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	89369	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	154326	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	137068	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65057	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83130	49.894	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.780%			
35) Dibromofluoromethane	5.379	113	57490	51.732	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.460%			
50) Toluene-d8	8.647	98	194722	50.625	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.240%			
62) 4-Bromofluorobenzene	11.079	95	74537	50.519	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.040%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	26314	19.237	ug/l	99
3) Chloromethane	1.307	50	25280	19.058	ug/l	99
4) Vinyl Chloride	1.374	62	22657	18.353	ug/l	98
5) Bromomethane	1.593	94	10433	18.220	ug/l	96
6) Chloroethane	1.666	64	13079	19.845	ug/l	95
7) Trichlorofluoromethane	1.874	101	35897	19.675	ug/l	99
8) Diethyl Ether	2.136	74	12163	19.583	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	21897	19.393	ug/l	98
10) Methyl Iodide	2.441	142	23941	17.919	ug/l	99
11) Tert butyl alcohol	2.977	59	23251	99.417	ug/l	98
12) 1,1-Dichloroethene	2.313	96	19707	18.597	ug/l	97
13) Acrolein	2.233	56	25726	96.589	ug/l	100
14) Allyl chloride	2.660	41	40122	19.811	ug/l	95
15) Acrylonitrile	3.062	53	69626	104.114	ug/l	98
16) Acetone	2.386	43	66144	99.012	ug/l	99
17) Carbon Disulfide	2.502	76	39398	15.682	ug/l	97
18) Methyl Acetate	2.703	43	36158	23.325	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	74404	20.027	ug/l	99
20) Methylene Chloride	2.782	84	23908	18.676	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	20064	18.827	ug/l	96
22) Diisopropyl ether	3.764	45	80701	20.629	ug/l	94
23) Vinyl Acetate	3.721	43	341851	99.352	ug/l	99
24) 1,1-Dichloroethane	3.605	63	44031	20.207	ug/l	99
25) 2-Butanone	4.556	43	100462	103.585	ug/l	99
26) 2,2-Dichloropropane	4.465	77	32619	19.126	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	25045	19.522	ug/l	99
28) Bromochloromethane	4.891	49	20027	19.095	ug/l	96
29) Tetrahydrofuran	5.007	42	62298	102.509	ug/l	99
30) Chloroform	5.093	83	45878	20.200	ug/l	92
31) Cyclohexane	5.465	56	36667	18.467	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	39648	20.139	ug/l	98
36) 1,1-Dichloropropene	5.684	75	29214	19.565	ug/l	99
37) Ethyl Acetate	4.715	43	34737	18.830	ug/l	99
38) Carbon Tetrachloride	5.672	117	33073	19.713	ug/l	95
39) Methylcyclohexane	7.379	83	35491	18.463	ug/l	98
40) Benzene	6.031	78	88032	20.128	ug/l	97

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41) Methacrylonitrile	4.916	41	20263	20.997	ug/l	94
42) 1,2-Dichloroethane	6.080	62	38698	20.501	ug/l	100
43) Isopropyl Acetate	6.342	43	58051	20.627	ug/l	99
44) Trichloroethene	7.123	130	20851	19.808	ug/l	96
45) 1,2-Dichloropropane	7.428	63	23129	21.268	ug/l	98
46) Dibromomethane	7.580	93	17427	20.317	ug/l	98
47) Bromodichloromethane	7.818	83	34903	20.660	ug/l	99
48) Methyl methacrylate	7.696	41	30363	21.125	ug/l	98
49) 1,4-Dioxane	7.665	88	11758	430.844	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	200590	107.375	ug/l	98
52) Toluene	8.714	92	54039	20.150	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	28851	19.213	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	32652	19.674	ug/l	95
55) 1,1,2-Trichloroethane	9.147	97	22377	21.161	ug/l	99
56) Ethyl methacrylate	9.116	69	34878	20.695	ug/l	98
57) 1,3-Dichloropropane	9.305	76	39205	20.644	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	84216	98.015	ug/l	99
59) 2-Hexanone	9.427	43	151197	109.397	ug/l	99
60) Dibromochloromethane	9.519	129	23959	20.631	ug/l	99
61) 1,2-Dibromoethane	9.610	107	22715	20.668	ug/l	99
64) Tetrachloroethene	9.269	164	20293	20.925	ug/l	97
65) Chlorobenzene	10.080	112	58334	19.444	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	20190	19.708	ug/l	97
67) Ethyl Benzene	10.189	91	105161	19.885	ug/l	100
68) m/p-Xylenes	10.299	106	76760	39.686	ug/l	98
69) o-Xylene	10.640	106	37682	19.984	ug/l	95
70) Styrene	10.653	104	62807	20.333	ug/l	99
71) Bromoform	10.799	173	14584	18.962	ug/l #	96
73) Isopropylbenzene	10.957	105	101389	20.018	ug/l	99
74) N-amyl acetate	10.842	43	50126	20.028	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	35737	20.135	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	31002m	19.798	ug/l	
77) Bromobenzene	11.195	156	22816	19.403	ug/l	98
78) n-propylbenzene	11.299	91	117071	19.879	ug/l	99
79) 2-Chlorotoluene	11.360	91	74482	19.608	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	87389	20.653	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8454	17.576	ug/l	94
82) 4-Chlorotoluene	11.451	91	84405	20.037	ug/l	100
83) tert-Butylbenzene	11.713	119	83350	19.556	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	86306	20.141	ug/l	99
85) sec-Butylbenzene	11.890	105	105360	20.133	ug/l	100
86) p-Isopropyltoluene	12.006	119	85881	19.881	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	42158	19.645	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	43594	19.891	ug/l	98
89) n-Butylbenzene	12.329	91	73826	19.484	ug/l	97
90) Hexachloroethane	12.536	117	14572	19.148	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	43834	20.355	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7722	19.639	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	21669	17.519	ug/l	97
94) Hexachlorobutadiene	13.725	225	10569	19.565	ug/l	97
95) Naphthalene	13.774	128	83209	18.342	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	24014	18.816	ug/l	98

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

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