

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050925\
 Data File : VX046105.D
 Acq On : 09 May 2025 11:18
 Operator : JC/MD
 Sample : VX0509WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0509WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/12/2025
 Supervised By : Mahesh Dadoda 05/12/2025

Quant Time: May 09 23:14:13 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	5.550	168	90343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	160624	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	140930	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64755	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	85123	50.540	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.080%			
35) Dibromofluoromethane	5.379	113	58163	50.285	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.580%			
50) Toluene-d8	8.647	98	200588	50.105	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.200%			
62) 4-Bromofluorobenzene	11.079	95	75529	49.184	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.360%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	30120	21.783	ug/l	98
3) Chloromethane	1.307	50	27895	20.803	ug/l	98
4) Vinyl Chloride	1.374	62	24725	19.812	ug/l	99
5) Bromomethane	1.599	94	10901	18.832	ug/l	92
6) Chloroethane	1.672	64	13224	19.849	ug/l	93
7) Trichlorofluoromethane	1.880	101	38890	21.085	ug/l	99
8) Diethyl Ether	2.136	74	12359	19.684	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	22904	20.066	ug/l	98
10) Methyl Iodide	2.447	142	27357	20.255	ug/l	100
11) Tert butyl alcohol	2.971	59	24976	105.641	ug/l	99
12) 1,1-Dichloroethene	2.313	96	21155	19.748	ug/l	98
13) Acrolein	2.233	56	26536	98.556	ug/l	98
14) Allyl chloride	2.660	41	42151	20.588	ug/l	98
15) Acrylonitrile	3.062	53	71190	105.305	ug/l	98
16) Acetone	2.380	43	68276	101.102	ug/l	99
17) Carbon Disulfide	2.508	76	50623	19.933	ug/l	98
18) Methyl Acetate	2.703	43	34073	21.743	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	77123	20.535	ug/l	100
20) Methylene Chloride	2.782	84	25566	19.755	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	21766	20.204	ug/l	96
22) Diisopropyl ether	3.757	45	81785	20.680	ug/l	89
23) Vinyl Acetate	3.721	43	362977	104.354	ug/l	100
24) 1,1-Dichloroethane	3.605	63	45706	20.750	ug/l	99
25) 2-Butanone	4.556	43	102302	104.345	ug/l	99
26) 2,2-Dichloropropane	4.471	77	33971	19.704	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	26546	20.469	ug/l	99
28) Bromochloromethane	4.897	49	22665	21.377	ug/l	98
29) Tetrahydrofuran	5.001	42	64945	105.713	ug/l	99
30) Chloroform	5.092	83	48528	21.137	ug/l	95
31) Cyclohexane	5.464	56	39864	19.860	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	41205	20.704	ug/l	98
36) 1,1-Dichloropropene	5.690	75	30400	19.561	ug/l	99
37) Ethyl Acetate	4.715	43	38981	20.302	ug/l	99
38) Carbon Tetrachloride	5.666	117	35030	20.061	ug/l	96
39) Methylcyclohexane	7.379	83	39427	19.706	ug/l	97
40) Benzene	6.031	78	92632	20.349	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	22268	22.170	ug/l	97
42) 1,2-Dichloroethane	6.080	62	40283	20.504	ug/l	98
43) Isopropyl Acetate	6.342	43	60196	20.550	ug/l	99
44) Trichloroethene	7.123	130	21973	20.056	ug/l	100
45) 1,2-Dichloropropane	7.427	63	23500	20.761	ug/l	97
46) Dibromomethane	7.580	93	18261	20.455	ug/l	99
47) Bromodichloromethane	7.818	83	37389	21.264	ug/l	98
48) Methyl methacrylate	7.696	41	31464	21.033	ug/l	98
49) 1,4-Dioxane	7.659	88	12536	441.341	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	205315	105.595	ug/l	98
52) Toluene	8.714	92	56743	20.329	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	31142	19.926	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	34832	20.165	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	23063	20.955	ug/l	98
56) Ethyl methacrylate	9.116	69	37389	21.315	ug/l	100
57) 1,3-Dichloropropane	9.305	76	40489	20.484	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	93903	105.004	ug/l	99
59) 2-Hexanone	9.427	43	153123	106.446	ug/l	99
60) Dibromochloromethane	9.519	129	25625	21.200	ug/l	100
61) 1,2-Dibromoethane	9.610	107	23964	20.949	ug/l	99
64) Tetrachloroethene	9.269	164	19103	19.158	ug/l	96
65) Chlorobenzene	10.079	112	61415	19.910	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	21300	20.222	ug/l	99
67) Ethyl Benzene	10.189	91	111304	20.470	ug/l	99
68) m/p-Xylenes	10.299	106	81488	40.976	ug/l	99
69) o-Xylene	10.640	106	39647	20.450	ug/l	97
70) Styrene	10.652	104	66401	20.908	ug/l	99
71) Bromoform	10.799	173	15820	20.005	ug/l #	96
73) Isopropylbenzene	10.957	105	106664	21.158	ug/l	99
74) N-amyl acetate	10.841	43	52526	21.085	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	36948	20.914	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	32155m	20.630	ug/l	
77) Bromobenzene	11.195	156	23697	20.247	ug/l	99
78) n-propylbenzene	11.299	91	120385	20.537	ug/l	100
79) 2-Chlorotoluene	11.360	91	77264	20.435	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	89922	21.350	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8424	17.596	ug/l	91
82) 4-Chlorotoluene	11.451	91	86575	20.648	ug/l	99
83) tert-Butylbenzene	11.713	119	87861	20.710	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	92008	21.572	ug/l	98
85) sec-Butylbenzene	11.890	105	107688	20.674	ug/l	100
86) p-Isopropyltoluene	12.006	119	89757	20.876	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	44199	20.692	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	44257	20.288	ug/l	98
89) n-Butylbenzene	12.329	91	75444	20.004	ug/l	99
90) Hexachloroethane	12.536	117	15748	20.790	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	45492	21.223	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8190	20.926	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	23642	19.203	ug/l	99
94) Hexachlorobutadiene	13.725	225	10826	20.134	ug/l	100
95) Naphthalene	13.774	128	86695	19.200	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	24258	19.096	ug/l	99

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

