

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052225\
 Data File : VX046314.D
 Acq On : 22 May 2025 09:14
 Operator : JC/MD
 Sample : VX0522WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/23/2025
 Supervised By : Mahesh Dadoda 05/23/2025

Quant Time: May 23 01:40:11 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	86474	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	152742	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	134655	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63610	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81817	50.750	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.500%			
35) Dibromofluoromethane	5.385	113	56295	51.182	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.360%			
50) Toluene-d8	8.647	98	187836	49.341	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.680%			
62) 4-Bromofluorobenzene	11.079	95	72844	49.884	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.760%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	25706	19.422	ug/l	100
3) Chloromethane	1.307	50	23324	18.172	ug/l	99
4) Vinyl Chloride	1.374	62	21297	17.829	ug/l	99
5) Bromomethane	1.599	94	10348	18.677	ug/l	98
6) Chloroethane	1.672	64	12428	19.489	ug/l	97
7) Trichlorofluoromethane	1.874	101	34872	19.753	ug/l	97
8) Diethyl Ether	2.136	74	11863	19.739	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	21694	19.857	ug/l	99
10) Methyl Iodide	2.447	142	23416	18.113	ug/l	99
11) Tert butyl alcohol	2.971	59	23554	104.084	ug/l	99
12) 1,1-Dichloroethene	2.313	96	19560	19.076	ug/l	97
13) Acrolein	2.239	56	25110	97.432	ug/l	99
14) Allyl chloride	2.660	41	38780	19.789	ug/l	98
15) Acrylonitrile	3.062	53	70878	109.535	ug/l	99
16) Acetone	2.380	43	67492	104.412	ug/l	100
17) Carbon Disulfide	2.508	76	38087	15.668	ug/l	95
18) Methyl Acetate	2.703	43	37052	24.702	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	72140	20.067	ug/l	98
20) Methylene Chloride	2.788	84	23553	19.014	ug/l	90
21) trans-1,2-Dichloroethene	3.087	96	20108	19.500	ug/l	99
22) Diisopropyl ether	3.757	45	78315	20.689	ug/l	89
23) Vinyl Acetate	3.721	43	329694	99.026	ug/l	99
24) 1,1-Dichloroethane	3.605	63	42744	20.274	ug/l	97
25) 2-Butanone	4.556	43	102424	109.144	ug/l	100
26) 2,2-Dichloropropane	4.477	77	31721	19.222	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	24758	19.944	ug/l	99
28) Bromochloromethane	4.898	49	22892	22.557	ug/l	98
29) Tetrahydrofuran	5.007	42	64184	109.148	ug/l	98
30) Chloroform	5.086	83	45770	20.828	ug/l	97
31) Cyclohexane	5.464	56	35444	18.448	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	38916	20.429	ug/l	99
36) 1,1-Dichloropropene	5.684	75	27498	18.607	ug/l	99
37) Ethyl Acetate	4.721	43	35660	19.531	ug/l	99
38) Carbon Tetrachloride	5.672	117	32178	19.379	ug/l	99
39) Methylcyclohexane	7.379	83	33894	17.815	ug/l	97
40) Benzene	6.038	78	85631	19.782	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	21379	22.383	ug/l	98
42) 1,2-Dichloroethane	6.080	62	38352	20.529	ug/l	99
43) Isopropyl Acetate	6.342	43	57755	20.734	ug/l	98
44) Trichloroethene	7.123	130	20180	19.370	ug/l	94
45) 1,2-Dichloropropane	7.428	63	22671	21.063	ug/l	100
46) Dibromomethane	7.580	93	17489	20.601	ug/l	99
47) Bromodichloromethane	7.818	83	34905	20.876	ug/l	98
48) Methyl methacrylate	7.690	41	29658	20.848	ug/l	98
49) 1,4-Dioxane	7.659	88	12219	452.380	ug/l	96
51) 4-Methyl-2-Pentanone	8.568	43	204864	110.800	ug/l	98
52) Toluene	8.714	92	53444	20.135	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	28833	19.401	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	32976	20.075	ug/l	95
55) 1,1,2-Trichloroethane	9.147	97	22176	21.189	ug/l	98
56) Ethyl methacrylate	9.116	69	34014	20.391	ug/l	97
57) 1,3-Dichloropropane	9.305	76	38286	20.369	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	90053	105.895	ug/l	99
59) 2-Hexanone	9.427	43	152659	111.600	ug/l	99
60) Dibromochloromethane	9.519	129	23949	20.836	ug/l	97
61) 1,2-Dibromoethane	9.604	107	21981	20.207	ug/l	97
64) Tetrachloroethene	9.269	164	18465	19.381	ug/l	97
65) Chlorobenzene	10.073	112	58922	19.992	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	20250	20.121	ug/l	99
67) Ethyl Benzene	10.189	91	103052	19.836	ug/l	100
68) m/p-Xylenes	10.299	106	75929	39.960	ug/l	97
69) o-Xylene	10.640	106	37976	20.501	ug/l	99
70) Styrene	10.653	104	62339	20.543	ug/l	99
71) Bromoform	10.799	173	15029	19.891	ug/l #	100
73) Isopropylbenzene	10.957	105	101597	20.515	ug/l	100
74) N-amyl acetate	10.842	43	49132	20.078	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	35455	20.430	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	31377m	20.493	ug/l	
77) Bromobenzene	11.195	156	22551	19.614	ug/l	98
78) n-propylbenzene	11.299	91	116857	20.294	ug/l	100
79) 2-Chlorotoluene	11.360	91	74549	20.072	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	85702	20.715	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	8709	18.518	ug/l	90
82) 4-Chlorotoluene	11.451	91	85408	20.736	ug/l	99
83) tert-Butylbenzene	11.713	119	85476	20.511	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	86307	20.600	ug/l	99
85) sec-Butylbenzene	11.890	105	105167	20.553	ug/l	99
86) p-Isopropyltoluene	12.006	119	84842	20.088	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	41945	19.990	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	42498	19.832	ug/l	98
89) n-Butylbenzene	12.329	91	72157	19.477	ug/l	99
90) Hexachloroethane	12.536	117	14487	19.469	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	42979	20.412	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8062	20.970	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	21832	18.052	ug/l	97
94) Hexachlorobutadiene	13.719	225	10270	19.444	ug/l	99
95) Naphthalene	13.774	128	83011	18.715	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	23358	18.718	ug/l	99

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

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