

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051925\
 Data File : VX046259.D
 Acq On : 19 May 2025 11:53
 Operator : JC/MD
 Sample : VX0519WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0519WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/21/2025
 Supervised By : Mahesh Dadoda 05/21/2025

Quant Time: May 19 23:07:49 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	87263	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	150978	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	132315	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63585	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	84643	52.028	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.060%			
35) Dibromofluoromethane	5.379	113	57543	52.928	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.860%			
50) Toluene-d8	8.647	98	193249	51.356	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.720%			
62) 4-Bromofluorobenzene	11.079	95	74331	51.497	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.000%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	24053	18.009	ug/l	96
3) Chloromethane	1.307	50	22394	17.290	ug/l	99
4) Vinyl Chloride	1.374	62	20162	16.726	ug/l	96
5) Bromomethane	1.593	94	9591	17.154	ug/l	100
6) Chloroethane	1.673	64	11432	17.765	ug/l	100
7) Trichlorofluoromethane	1.880	101	32823	18.424	ug/l	99
8) Diethyl Ether	2.136	74	11155	18.393	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	20365	18.472	ug/l	99
10) Methyl Iodide	2.447	142	21735	16.661	ug/l	99
11) Tert butyl alcohol	2.971	59	23837	104.382	ug/l	97
12) 1,1-Dichloroethene	2.313	96	18561	17.938	ug/l	99
13) Acrolein	2.233	56	20993	80.721	ug/l	100
14) Allyl chloride	2.654	41	37096	18.759	ug/l	97
15) Acrylonitrile	3.063	53	66231	101.428	ug/l	99
16) Acetone	2.380	43	64397	98.724	ug/l	99
17) Carbon Disulfide	2.502	76	36970	15.071	ug/l	97
18) Methyl Acetate	2.703	43	35356	23.358	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	70635	19.471	ug/l	95
20) Methylene Chloride	2.782	84	22283	17.826	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	18725	17.995	ug/l	95
22) Diisopropyl ether	3.758	45	75925	19.876	ug/l	93
23) Vinyl Acetate	3.721	43	324003	96.437	ug/l	99
24) 1,1-Dichloroethane	3.599	63	40455	19.014	ug/l	98
25) 2-Butanone	4.556	43	96498	101.899	ug/l	98
26) 2,2-Dichloropropane	4.465	77	29528	17.731	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	23862	19.049	ug/l	97
28) Bromochloromethane	4.891	49	21443	20.938	ug/l	99
29) Tetrahydrofuran	5.001	42	61012	102.816	ug/l	98
30) Chloroform	5.087	83	44217	19.939	ug/l	100
31) Cyclohexane	5.465	56	34187	17.633	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	36865	19.177	ug/l	99
36) 1,1-Dichloropropene	5.684	75	25897	17.728	ug/l	98
37) Ethyl Acetate	4.715	43	34382	19.051	ug/l	99
38) Carbon Tetrachloride	5.672	117	30875	18.811	ug/l	99
39) Methylcyclohexane	7.373	83	32313	17.182	ug/l	96
40) Benzene	6.032	78	81819	19.122	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	20373	21.579	ug/l	99
42) 1,2-Dichloroethane	6.080	62	37427	20.267	ug/l	99
43) Isopropyl Acetate	6.336	43	54907	19.942	ug/l	100
44) Trichloroethene	7.123	130	19111	18.558	ug/l	97
45) 1,2-Dichloropropane	7.428	63	19869	18.675	ug/l	98
46) Dibromomethane	7.580	93	16651	19.843	ug/l	100
47) Bromodichloromethane	7.818	83	32824	19.861	ug/l	99
48) Methyl methacrylate	7.690	41	29191	20.760	ug/l	95
49) 1,4-Dioxane	7.659	88	11265	421.933	ug/l	97
51) 4-Methyl-2-Pentanone	8.568	43	190473	104.221	ug/l	100
52) Toluene	8.714	92	50238	19.148	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	27640	18.815	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	31384	19.329	ug/l	95
55) 1,1,2-Trichloroethane	9.147	97	21003	20.302	ug/l	97
56) Ethyl methacrylate	9.116	69	32978	20.001	ug/l	98
57) 1,3-Dichloropropane	9.305	76	37223	20.035	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	81477	96.930	ug/l	98
59) 2-Hexanone	9.427	43	143472	106.109	ug/l	100
60) Dibromochloromethane	9.519	129	22336	19.660	ug/l	98
61) 1,2-Dibromoethane	9.604	107	21729	20.209	ug/l	98
64) Tetrachloroethene	9.269	164	17073	18.237	ug/l	90
65) Chlorobenzene	10.073	112	54256	18.735	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	19365	19.582	ug/l	99
67) Ethyl Benzene	10.189	91	96865	18.975	ug/l	99
68) m/p-Xylenes	10.299	106	71386	38.234	ug/l	97
69) o-Xylene	10.640	106	34722	19.075	ug/l	95
70) Styrene	10.653	104	59040	19.800	ug/l	99
71) Bromoform	10.799	173	14287	19.243	ug/l #	96
73) Isopropylbenzene	10.957	105	94808	19.152	ug/l	100
74) N-amyl acetate	10.842	43	47522	19.427	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	33849	19.512	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	29880m	19.523	ug/l	
77) Bromobenzene	11.195	156	22274	19.381	ug/l	97
78) n-propylbenzene	11.299	91	110079	19.125	ug/l	99
79) 2-Chlorotoluene	11.360	91	69282	18.661	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	79492	19.221	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	7819	16.632	ug/l	88
82) 4-Chlorotoluene	11.451	91	79386	19.282	ug/l	100
83) tert-Butylbenzene	11.713	119	78714	18.896	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	81650	19.496	ug/l	98
85) sec-Butylbenzene	11.890	105	98747	19.306	ug/l	100
86) p-Isopropyltoluene	12.006	119	81895	19.398	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	39428	18.798	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	40234	18.783	ug/l	98
89) n-Butylbenzene	12.329	91	69047	18.645	ug/l	99
90) Hexachloroethane	12.536	117	14001	18.824	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	41580	19.755	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7677	19.976	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	22494	18.607	ug/l	97
94) Hexachlorobutadiene	13.719	225	10367	19.635	ug/l	98
95) Naphthalene	13.774	128	81954	18.484	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	24173	19.379	ug/l	97

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

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