

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051925\
 Data File : VX046258.D
 Acq On : 19 May 2025 11:25
 Operator : JC/MD
 Sample : VX0519WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0519WBS01

Manual Integrations
 APPROVED

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

Quant Time: May 19 23:06:56 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	91585	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	158835	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	142753	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	66879	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	88116	51.607	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.220%			
35) Dibromofluoromethane	5.385	113	60766	53.127	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.260%			
50) Toluene-d8	8.647	98	204172	51.575	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.140%			
62) 4-Bromofluorobenzene	11.079	95	78102	51.433	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.860%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	26163	18.664	ug/l	97
3) Chloromethane	1.307	50	24022	17.672	ug/l	99
4) Vinyl Chloride	1.374	62	21728	17.174	ug/l	99
5) Bromomethane	1.599	94	10888	18.555	ug/l	99
6) Chloroethane	1.672	64	13012	19.266	ug/l	99
7) Trichlorofluoromethane	1.880	101	35167	18.808	ug/l	96
8) Diethyl Ether	2.136	74	11436	17.967	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	21986	19.001	ug/l	98
10) Methyl Iodide	2.447	142	22257	16.256	ug/l	99
11) Tert butyl alcohol	2.971	59	23079	96.294	ug/l	100
12) 1,1-Dichloroethene	2.312	96	19928	18.350	ug/l	99
13) Acrolein	2.239	56	21625	79.227	ug/l	99
14) Allyl chloride	2.660	41	39571	19.066	ug/l	97
15) Acrylonitrile	3.062	53	68193	99.504	ug/l	99
16) Acetone	2.386	43	65401	95.531	ug/l	100
17) Carbon Disulfide	2.508	76	40417	15.698	ug/l	98
18) Methyl Acetate	2.703	43	35904	22.601	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	72372	19.009	ug/l	98
20) Methylene Chloride	2.782	84	23718	18.079	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	19873	18.197	ug/l	99
22) Diisopropyl ether	3.757	45	77609	19.358	ug/l	89
23) Vinyl Acetate	3.721	43	330626	93.764	ug/l	99
24) 1,1-Dichloroethane	3.605	63	43022	19.267	ug/l	98
25) 2-Butanone	4.556	43	98037	98.639	ug/l	98
26) 2,2-Dichloropropane	4.471	77	32249	18.451	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	24145	18.365	ug/l	98
28) Bromochloromethane	4.897	49	23030	21.426	ug/l	96
29) Tetrahydrofuran	5.007	42	61341	98.492	ug/l	99
30) Chloroform	5.086	83	45790	19.674	ug/l	97
31) Cyclohexane	5.458	56	36164	17.773	ug/l	93
32) 1,1,1-Trichloroethane	5.373	97	38499	19.082	ug/l	99
36) 1,1-Dichloropropene	5.690	75	27229	17.718	ug/l	97
37) Ethyl Acetate	4.714	43	35800	18.855	ug/l	99
38) Carbon Tetrachloride	5.672	117	32935	19.074	ug/l	96
39) Methylcyclohexane	7.372	83	34876	17.628	ug/l	96
40) Benzene	6.031	78	85691	19.037	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	19793	19.928	ug/l	97
42) 1,2-Dichloroethane	6.080	62	38460	19.797	ug/l	100
43) Isopropyl Acetate	6.342	43	56874	19.635	ug/l	98
44) Trichloroethene	7.123	130	19711	18.194	ug/l	90
45) 1,2-Dichloropropane	7.427	63	22322	19.943	ug/l	98
46) Dibromomethane	7.580	93	17167	19.446	ug/l	98
47) Bromodichloromethane	7.818	83	34706	19.960	ug/l	96
48) Methyl methacrylate	7.690	41	29632	20.031	ug/l	98
49) 1,4-Dioxane	7.659	88	11445	407.470	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	192103	99.913	ug/l	99
52) Toluene	8.714	92	53924	19.536	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	28589	18.499	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	32448	18.996	ug/l	94
55) 1,1,2-Trichloroethane	9.147	97	22179	20.379	ug/l	96
56) Ethyl methacrylate	9.116	69	33552	19.343	ug/l	98
57) 1,3-Dichloropropane	9.305	76	38236	19.562	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	82645	93.456	ug/l	100
59) 2-Hexanone	9.427	43	143585	100.940	ug/l	99
60) Dibromochloromethane	9.518	129	23814	19.924	ug/l	100
61) 1,2-Dibromoethane	9.610	107	22227	19.649	ug/l	98
64) Tetrachloroethene	9.268	164	18066	17.886	ug/l	96
65) Chlorobenzene	10.073	112	57845	18.513	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	20506	19.220	ug/l	100
67) Ethyl Benzene	10.189	91	104062	18.894	ug/l	99
68) m/p-Xylenes	10.299	106	74816	37.141	ug/l	96
69) o-Xylene	10.640	106	37343	19.015	ug/l	97
70) Styrene	10.652	104	63479	19.732	ug/l	99
71) Bromoform	10.799	173	15204	18.981	ug/l #	97
73) Isopropylbenzene	10.957	105	101409	19.477	ug/l	100
74) N-amyl acetate	10.841	43	48129	18.706	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	35171	19.276	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	30324m	18.837	ug/l	
77) Bromobenzene	11.195	156	22145	18.320	ug/l	95
78) n-propylbenzene	11.299	91	113110	18.683	ug/l	100
79) 2-Chlorotoluene	11.360	91	72633	18.600	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	84589	19.446	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8340	16.867	ug/l	93
82) 4-Chlorotoluene	11.451	91	82807	19.122	ug/l	100
83) tert-Butylbenzene	11.713	119	85062	19.414	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	85052	19.308	ug/l	100
85) sec-Butylbenzene	11.890	105	102527	19.058	ug/l	99
86) p-Isopropyltoluene	12.006	119	84578	19.046	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	41388	18.761	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	40939	18.171	ug/l	96
89) n-Butylbenzene	12.329	91	70827	18.183	ug/l	99
90) Hexachloroethane	12.536	117	14388	18.391	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	42690	19.283	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7673	18.983	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	22616	17.786	ug/l	96
94) Hexachlorobutadiene	13.725	225	10164	18.303	ug/l	97
95) Naphthalene	13.774	128	79390	17.024	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	23795	18.136	ug/l	95

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

