

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050825\
 Data File : VX046082.D
 Acq On : 08 May 2025 11:45
 Operator : JC/MD
 Sample : VX0508WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0508WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/09/2025
 Supervised By : Mahesh Dadoda 05/09/2025

Quant Time: May 09 01:55:48 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	89125	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	157859	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	138205	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	5.946	65	84500	50.855	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.720%			
35) Dibromofluoromethane	5.379	113	56900	50.055	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.100%			
50) Toluene-d8	8.647	98	196138	49.851	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.700%			
62) 4-Bromofluorobenzene	11.079	95	74503	49.366	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.740%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	27046	19.827	ug/l	97
3) Chloromethane	1.306	50	25411	19.209	ug/l	100
4) Vinyl Chloride	1.374	62	22115	17.963	ug/l	94
5) Bromomethane	1.593	94	10264	17.974	ug/l	98
6) Chloroethane	1.672	64	12495	19.011	ug/l	99
7) Trichlorofluoromethane	1.873	101	35016	19.244	ug/l	99
8) Diethyl Ether	2.130	74	11766	18.996	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.325	101	21725	19.293	ug/l	98
10) Methyl Iodide	2.447	142	25437	19.091	ug/l	98
11) Tert butyl alcohol	2.971	59	24333	104.328	ug/l	99
12) 1,1-Dichloroethene	2.312	96	19388	18.346	ug/l	98
13) Acrolein	2.233	56	28048	105.595	ug/l	97
14) Allyl chloride	2.660	41	39668	19.640	ug/l	98
15) Acrylonitrile	3.062	53	70056	105.044	ug/l	99
16) Acetone	2.379	43	65406	98.176	ug/l	99
17) Carbon Disulfide	2.501	76	43556	17.384	ug/l	99
18) Methyl Acetate	2.703	43	32347	20.923	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	74256	20.042	ug/l	98
20) Methylene Chloride	2.782	84	23482	18.393	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	20339	19.138	ug/l	94
22) Diisopropyl ether	3.757	45	78706	20.174	ug/l	94
23) Vinyl Acetate	3.721	43	350984	102.285	ug/l	99
24) 1,1-Dichloroethane	3.605	63	42920	19.752	ug/l	98
25) 2-Butanone	4.556	43	101125	104.554	ug/l	100
26) 2,2-Dichloropropane	4.471	77	31214	18.352	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	25319	19.790	ug/l	98
28) Bromochloromethane	4.891	49	22526	21.536	ug/l	99
29) Tetrahydrofuran	5.007	42	64907	107.095	ug/l	99
30) Chloroform	5.080	83	45164	19.940	ug/l	97
31) Cyclohexane	5.458	56	38562	19.474	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	38497	19.608	ug/l	99
36) 1,1-Dichloropropene	5.690	75	28723	18.806	ug/l	98
37) Ethyl Acetate	4.714	43	37116	19.669	ug/l	99
38) Carbon Tetrachloride	5.672	117	32427	18.896	ug/l	98
39) Methylcyclohexane	7.372	83	36280	18.451	ug/l	99
40) Benzene	6.031	78	86138	19.254	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	21603	21.885	ug/l	99
42) 1,2-Dichloroethane	6.080	62	38922	20.158	ug/l	100
43) Isopropyl Acetate	6.342	43	59168	20.553	ug/l	99
44) Trichloroethene	7.123	130	20766	19.286	ug/l	98
45) 1,2-Dichloropropane	7.427	63	22527	20.250	ug/l	99
46) Dibromomethane	7.580	93	17952	20.461	ug/l	96
47) Bromodichloromethane	7.818	83	34186	19.783	ug/l	99
48) Methyl methacrylate	7.689	41	30850	20.983	ug/l	99
49) 1,4-Dioxane	7.659	88	12525	448.677	ug/l	98
51) 4-Methyl-2-Pentanone	8.567	43	201237	105.311	ug/l	98
52) Toluene	8.714	92	53498	19.502	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	29261	19.050	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	33824	19.924	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	22314	20.629	ug/l	99
56) Ethyl methacrylate	9.116	69	35662	20.686	ug/l	99
57) 1,3-Dichloropropane	9.305	76	39386	20.275	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	87699	99.784	ug/l	99
59) 2-Hexanone	9.427	43	149616	105.830	ug/l	100
60) Dibromochloromethane	9.518	129	24175	20.351	ug/l	94
61) 1,2-Dibromoethane	9.610	107	22397	19.922	ug/l	97
64) Tetrachloroethene	9.268	164	18567	18.987	ug/l	97
65) Chlorobenzene	10.079	112	56955	18.828	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	19827	19.195	ug/l	98
67) Ethyl Benzene	10.189	91	103863	19.478	ug/l	99
68) m/p-Xylenes	10.299	106	76787	39.374	ug/l	99
69) o-Xylene	10.640	106	37621	19.787	ug/l	98
70) Styrene	10.652	104	62355	20.021	ug/l	100
71) Bromoform	10.799	173	15034	19.386	ug/l #	96
73) Isopropylbenzene	10.957	105	99423	20.076	ug/l	99
74) N-amyl acetate	10.841	43	49759	20.334	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	35488	20.449	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	29936m	19.552	ug/l	
77) Bromobenzene	11.195	156	22147	19.263	ug/l	99
78) n-propylbenzene	11.299	91	115197	20.006	ug/l	100
79) 2-Chlorotoluene	11.360	91	73340	19.747	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	84507	20.426	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	8472	18.014	ug/l	94
82) 4-Chlorotoluene	11.451	91	81988	19.906	ug/l	99
83) tert-Butylbenzene	11.713	119	84407	20.254	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	85289	20.357	ug/l	98
85) sec-Butylbenzene	11.890	105	102105	19.955	ug/l	99
86) p-Isopropyltoluene	12.006	119	84675	20.048	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	41242	19.655	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	41693	19.456	ug/l	97
89) n-Butylbenzene	12.329	91	72472	19.562	ug/l	99
90) Hexachloroethane	12.536	117	14264	19.170	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	42845	20.348	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8274	21.521	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	23756	19.643	ug/l	98
94) Hexachlorobutadiene	13.719	225	10435	19.756	ug/l	98
95) Naphthalene	13.774	128	89648	20.211	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	24789	19.865	ug/l	99

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

