

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060925\
 Data File : VX046570.D
 Acq On : 09 Jun 2025 11:54
 Operator : JC/MD
 Sample : VX0609WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0609WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/10/2025
 Supervised By : Mahesh Dadoda 06/10/2025

Quant Time: Jun 10 01:40:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.568	168	83473	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	144567	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	135946	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	71581	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	70886	47.732	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.460%		
35) Dibromofluoromethane	5.403	113	53156	49.999	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.000%		
50) Toluene-d8	8.653	98	173000	49.357	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.720%		
62) 4-Bromofluorobenzene	11.079	95	73944	50.989	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	101.980%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.185	85	18925	16.331	ug/l	94
3) Chloromethane	1.307	50	17241	16.345	ug/l	99
4) Vinyl Chloride	1.386	62	17933	17.055	ug/l	97
5) Bromomethane	1.630	94	11735	18.383	ug/l	95
6) Chloroethane	1.703	64	11780	17.267	ug/l	94
7) Trichlorofluoromethane	1.904	101	30784	17.694	ug/l	98
8) Diethyl Ether	2.148	74	11709	19.048	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.349	101	19599	17.881	ug/l	97
10) Methyl Iodide	2.471	142	22349	18.809	ug/l	100
11) Tert butyl alcohol	2.965	59	12177	73.895	ug/l	98
12) 1,1-Dichloroethene	2.337	96	17142	17.297	ug/l	99
13) Acrolein	2.251	56	13004	87.422	ug/l	98
14) Allyl chloride	2.678	41	34692	17.824	ug/l	95
15) Acrylonitrile	3.075	53	55789	89.541	ug/l	100
16) Acetone	2.386	43	45698	81.516	ug/l	99
17) Carbon Disulfide	2.532	76	36108	17.293	ug/l	98
18) Methyl Acetate	2.715	43	32509	18.378	ug/l	99
19) Methyl tert-butyl Ether	3.129	73	67373	19.429	ug/l	100
20) Methylene Chloride	2.806	84	20948	17.582	ug/l	95
21) trans-1,2-Dichloroethene	3.111	96	18168	17.323	ug/l	93
22) Diisopropyl ether	3.769	45	74287	19.359	ug/l #	60
23) Vinyl Acetate	3.733	43	278949	94.157	ug/l	100
24) 1,1-Dichloroethane	3.623	63	39320	18.386	ug/l	99
25) 2-Butanone	4.568	43	69310	83.838	ug/l	98
26) 2,2-Dichloropropane	4.495	77	29135	18.351	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	23611	18.288	ug/l	96
28) Bromochloromethane	4.910	49	20451	20.049	ug/l	100
29) Tetrahydrofuran	5.013	42	43753	83.803	ug/l	99
30) Chloroform	5.105	83	42722	19.065	ug/l	99
31) Cyclohexane	5.483	56	31095	18.011	ug/l	92
32) 1,1,1-Trichloroethane	5.391	97	35529	18.536	ug/l	100
36) 1,1-Dichloropropene	5.708	75	25148	16.560	ug/l	97
37) Ethyl Acetate	4.727	43	28519m	19.242	ug/l	
38) Carbon Tetrachloride	5.690	117	30171	17.738	ug/l	96
39) Methylcyclohexane	7.385	83	30799	17.182	ug/l	99
40) Benzene	6.050	78	79236	18.534	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	16616	18.053	ug/l	97
42) 1,2-Dichloroethane	6.098	62	33076	18.597	ug/l	98
43) Isopropyl Acetate	6.348	43	46991	18.186	ug/l	99
44) Trichloroethene	7.135	130	18721	17.234	ug/l	96
45) 1,2-Dichloropropane	7.433	63	21074	19.098	ug/l	90
46) Dibromomethane	7.586	93	15751	18.974	ug/l	97
47) Bromodichloromethane	7.824	83	34008	19.924	ug/l	98
48) Methyl methacrylate	7.696	41	24296	18.275	ug/l	96
49) 1,4-Dioxane	7.665	88	5866	329.950	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	151127	92.040	ug/l	99
52) Toluene	8.720	92	49527	18.857	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	29275	19.129	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	32839	19.299	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	21140	20.049	ug/l	96
56) Ethyl methacrylate	9.116	69	30623	18.873	ug/l	96
57) 1,3-Dichloropropane	9.311	76	35779	19.202	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	84411	95.509	ug/l	99
59) 2-Hexanone	9.433	43	104720	88.926	ug/l	98
60) Dibromochloromethane	9.518	129	24955	20.121	ug/l	98
61) 1,2-Dibromoethane	9.610	107	20511	18.668	ug/l	97
64) Tetrachloroethene	9.275	164	15613	17.175	ug/l	97
65) Chlorobenzene	10.079	112	56203	17.578	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	20205	18.701	ug/l	99
67) Ethyl Benzene	10.195	91	97477	17.464	ug/l	99
68) m/p-Xylenes	10.299	106	73363	36.233	ug/l	99
69) o-Xylene	10.640	106	36400	18.586	ug/l	98
70) Styrene	10.652	104	62628	18.681	ug/l	99
71) Bromoform	10.799	173	15136	18.373	ug/l #	100
73) Isopropylbenzene	10.963	105	98714	17.543	ug/l	99
74) N-amyl acetate	10.841	43	41936	16.923	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	31781	17.645	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	26072m	17.196	ug/l	
77) Bromobenzene	11.195	156	22679	17.364	ug/l	99
78) n-propylbenzene	11.305	91	115656	16.982	ug/l	100
79) 2-Chlorotoluene	11.360	91	70272	17.110	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	81897	17.466	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8585	16.333	ug/l	99
82) 4-Chlorotoluene	11.451	91	84372	17.332	ug/l	97
83) tert-Butylbenzene	11.713	119	82556	17.295	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	82211	17.331	ug/l	99
85) sec-Butylbenzene	11.890	105	105572	17.213	ug/l	99
86) p-Isopropyltoluene	12.006	119	87396	17.093	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	43767	17.257	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	44798	17.046	ug/l	98
89) n-Butylbenzene	12.329	91	83345	16.599	ug/l	99
90) Hexachloroethane	12.536	117	15028	16.536	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	42607	17.404	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	6426	15.933	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	27641	16.551	ug/l	97
94) Hexachlorobutadiene	13.725	225	12192	15.709	ug/l	96
95) Naphthalene	13.774	128	89341	16.870	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	27528	16.439	ug/l	99

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

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