

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061325\
 Data File : VX046686.D
 Acq On : 13 Jun 2025 14:09
 Operator : JC/MD
 Sample : VX0613WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/16/2025
 Supervised By : Mahesh Dadoda 06/16/2025

Quant Time: Jun 13 23:28:39 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	5.562	168	65989	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	114290	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	103875	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	55253	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	58711	50.009	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.020%	
35) Dibromofluoromethane	5.391	113	45900	54.611	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.220%	
50) Toluene-d8	8.647	98	146479	52.862	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.720%	
62) 4-Bromofluorobenzene	11.079	95	63624	55.495	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 111.000%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	14998	16.371	ug/l	97
3) Chloromethane	1.307	50	12328	14.784	ug/l	99
4) Vinyl Chloride	1.386	62	12045	14.490	ug/l	95
5) Bromomethane	1.624	94	4081	8.087	ug/l	99
6) Chloroethane	1.703	64	11326	21.000	ug/l	96
7) Trichlorofluoromethane	1.904	101	21789	15.843	ug/l	96
8) Diethyl Ether	2.148	74	7306	15.035	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.343	101	14942	17.244	ug/l	92
10) Methyl Iodide	2.471	142	8867	9.440	ug/l	93
11) Tert butyl alcohol	2.959	59	12383	95.055	ug/l	97
12) 1,1-Dichloroethene	2.337	96	12744	16.267	ug/l	80
13) Acrolein	2.252	56	7145	69.912	ug/l	98
14) Allyl chloride	2.678	41	26971	17.529	ug/l	91
15) Acrylonitrile	3.075	53	50458	102.442	ug/l	99
16) Acetone	2.386	43	35270	79.692	ug/l	92
17) Carbon Disulfide	2.526	76	27969	16.948	ug/l	100
18) Methyl Acetate	2.715	43	30355	21.707	ug/l	96
19) Methyl tert-butyl Ether	3.123	73	58562	21.362	ug/l	99
20) Methylene Chloride	2.800	84	18467	19.607	ug/l	91
21) trans-1,2-Dichloroethene	3.105	96	15167	18.293	ug/l	97
22) Diisopropyl ether	3.770	45	64593	21.293	ug/l #	66
23) Vinyl Acetate	3.733	43	243765	104.082	ug/l	99
24) 1,1-Dichloroethane	3.623	63	33486	19.806	ug/l	99
25) 2-Butanone	4.568	43	69669	106.601	ug/l	95
26) 2,2-Dichloropropane	4.489	77	24749	19.719	ug/l	98
27) cis-1,2-Dichloroethene	4.507	96	21053	20.627	ug/l	94
28) Bromochloromethane	4.910	49	26141	32.418	ug/l	97
29) Tetrahydrofuran	5.019	42	42830	103.770	ug/l	98
30) Chloroform	5.105	83	38241	21.587	ug/l	97
31) Cyclohexane	5.483	56	26054	19.089	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	30611	20.201	ug/l	99
36) 1,1-Dichloropropene	5.702	75	22232	18.518	ug/l	97
37) Ethyl Acetate	4.733	43	24967	21.307	ug/l	98
38) Carbon Tetrachloride	5.690	117	27032	20.102	ug/l	96
39) Methylcyclohexane	7.385	83	25946	18.310	ug/l	96
40) Benzene	6.050	78	69868	20.672	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	15935	21.899	ug/l	94
42) 1,2-Dichloroethane	6.098	62	29914	21.275	ug/l	97
43) Isopropyl Acetate	6.342	43	42947	21.024	ug/l	98
44) Trichloroethene	7.129	130	17048	19.852	ug/l	94
45) 1,2-Dichloropropane	7.434	63	19432	22.275	ug/l	94
46) Dibromomethane	7.586	93	14163	21.580	ug/l	96
47) Bromodichloromethane	7.824	83	30551	22.640	ug/l	99
48) Methyl methacrylate	7.696	41	23229	22.101	ug/l	94
49) 1,4-Dioxane	7.665	88	6567	467.234	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	147585	113.694	ug/l	99
52) Toluene	8.720	92	44867	21.608	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	26316	21.750	ug/l	97
54) cis-1,3-Dichloropropene	8.372	75	29135	21.658	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	19462	23.348	ug/l	98
56) Ethyl methacrylate	9.116	69	29084	22.673	ug/l	94
57) 1,3-Dichloropropane	9.311	76	33088	22.462	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	85564	122.461	ug/l	99
59) 2-Hexanone	9.427	43	104729	112.494	ug/l	99
60) Dibromochloromethane	9.519	129	22952	23.408	ug/l	99
61) 1,2-Dibromoethane	9.610	107	19312	22.233	ug/l	97
64) Tetrachloroethene	9.275	164	13932	20.057	ug/l	93
65) Chlorobenzene	10.079	112	52137	21.341	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.159	131	19052	23.078	ug/l	100
67) Ethyl Benzene	10.195	91	88871	20.838	ug/l	97
68) m/p-Xylenes	10.299	106	65093	42.074	ug/l	99
69) o-Xylene	10.640	106	32908	21.991	ug/l	96
70) Styrene	10.652	104	57641	22.502	ug/l	98
71) Bromoform	10.799	173	14760	23.449	ug/l #	100
73) Isopropylbenzene	10.963	105	88486	20.372	ug/l	100
74) N-amyl acetate	10.841	43	39264	20.528	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	30567	21.986	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	25197m	21.530	ug/l	
77) Bromobenzene	11.195	156	21627	21.452	ug/l	94
78) n-propylbenzene	11.305	91	103680	19.722	ug/l	98
79) 2-Chlorotoluene	11.360	91	64113	20.224	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	74487	20.580	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	7617	18.774	ug/l	94
82) 4-Chlorotoluene	11.451	91	76170	20.271	ug/l	98
83) tert-Butylbenzene	11.713	119	75813	20.576	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	75759	20.691	ug/l	100
85) sec-Butylbenzene	11.890	105	96825	20.452	ug/l	99
86) p-Isopropyltoluene	12.006	119	80510	20.399	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	41137	21.013	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	42288	20.846	ug/l	100
89) n-Butylbenzene	12.329	91	76714	19.793	ug/l	99
90) Hexachloroethane	12.536	117	13866	19.767	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	40842	21.613	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	6484	20.827	ug/l	91
93) 1,2,4-Trichlorobenzene	13.585	180	26556	20.601	ug/l	97
94) Hexachlorobutadiene	13.725	225	10781	17.996	ug/l	94
95) Naphthalene	13.774	128	87088	21.304	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	26847	20.770	ug/l	99

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

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