

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046159.D
 Acq On : 13 May 2025 12:28
 Operator : JC/MD
 Sample : VX0513WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/14/2025
 Supervised By : Mahesh Dadoda 05/14/2025

Quant Time: May 14 01:37:14 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	85900	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	148923	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	132995	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	62827	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	83530	52.159	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.320%			
35) Dibromofluoromethane	5.379	113	55657	51.899	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.800%			
50) Toluene-d8	8.647	98	189645	51.093	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.180%			
62) 4-Bromofluorobenzene	11.079	95	71708	50.365	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.740%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	26333	20.029	ug/l	97
3) Chloromethane	1.307	50	24042	18.857	ug/l	100
4) Vinyl Chloride	1.374	62	21437	18.066	ug/l	95
5) Bromomethane	1.593	94	10258	18.638	ug/l	98
6) Chloroethane	1.673	64	12211	19.276	ug/l	98
7) Trichlorofluoromethane	1.874	101	34674	19.772	ug/l	97
8) Diethyl Ether	2.130	74	11281	18.896	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	21170	19.506	ug/l	97
10) Methyl Iodide	2.447	142	23145	18.023	ug/l	99
11) Tert butyl alcohol	2.971	59	23851	106.101	ug/l	97
12) 1,1-Dichloroethene	2.313	96	19116	18.768	ug/l	94
13) Acrolein	2.233	56	32527	127.055	ug/l	99
14) Allyl chloride	2.660	41	38833	19.949	ug/l	95
15) Acrylonitrile	3.063	53	67894	105.624	ug/l	98
16) Acetone	2.380	43	64723	100.798	ug/l	99
17) Carbon Disulfide	2.502	76	41110	17.024	ug/l	99
18) Methyl Acetate	2.703	43	34029	22.838	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	72402	20.275	ug/l	98
20) Methylene Chloride	2.782	84	23309	18.943	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	19707	19.239	ug/l	99
22) Diisopropyl ether	3.757	45	77790	20.687	ug/l	96
23) Vinyl Acetate	3.721	43	337558	102.066	ug/l	100
24) 1,1-Dichloroethane	3.605	63	41906	20.009	ug/l	97
25) 2-Butanone	4.556	43	98733	105.914	ug/l	99
26) 2,2-Dichloropropane	4.471	77	29241	17.838	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	24645	19.986	ug/l	95
28) Bromochloromethane	4.891	49	22737	22.554	ug/l	99
29) Tetrahydrofuran	5.001	42	61576	105.413	ug/l	99
30) Chloroform	5.087	83	44545	20.406	ug/l	100
31) Cyclohexane	5.465	56	35538	18.621	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	36768	19.430	ug/l	99
36) 1,1-Dichloropropene	5.690	75	27449	19.050	ug/l	100
37) Ethyl Acetate	4.715	43	34602	19.437	ug/l	99
38) Carbon Tetrachloride	5.672	117	32251	19.921	ug/l	99
39) Methylcyclohexane	7.373	83	34728	18.721	ug/l	100
40) Benzene	6.031	78	83414	19.764	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	20127	21.613	ug/l	98
42) 1,2-Dichloroethane	6.086	62	37930	20.823	ug/l	99
43) Isopropyl Acetate	6.336	43	57246	21.079	ug/l	99
44) Trichloroethene	7.123	130	20302	19.986	ug/l	96
45) 1,2-Dichloropropane	7.428	63	21721	20.698	ug/l	96
46) Dibromomethane	7.574	93	16962	20.493	ug/l	99
47) Bromodichloromethane	7.818	83	34070	20.899	ug/l	98
48) Methyl methacrylate	7.690	41	29406	21.201	ug/l	100
49) 1,4-Dioxane	7.659	88	12374	469.866	ug/l	99
51) 4-Methyl-2-Pentanone	8.568	43	197185	109.382	ug/l	97
52) Toluene	8.714	92	51663	19.963	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	28906	19.949	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	32044	20.008	ug/l	94
55) 1,1,2-Trichloroethane	9.147	97	22162	21.718	ug/l	97
56) Ethyl methacrylate	9.116	69	33264	20.453	ug/l	98
57) 1,3-Dichloropropane	9.305	76	37593	20.513	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	97562	117.667	ug/l	99
59) 2-Hexanone	9.427	43	145866	109.368	ug/l	100
60) Dibromochloromethane	9.519	129	23819	21.254	ug/l	98
61) 1,2-Dibromoethane	9.604	107	22449	21.167	ug/l	98
64) Tetrachloroethene	9.269	164	18495	19.655	ug/l	96
65) Chlorobenzene	10.073	112	55958	19.223	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	19893	20.013	ug/l	99
67) Ethyl Benzene	10.189	91	100095	19.507	ug/l	99
68) m/p-Xylenes	10.299	106	73737	39.291	ug/l	98
69) o-Xylene	10.640	106	36239	19.807	ug/l	94
70) Styrene	10.653	104	61258	20.439	ug/l	100
71) Bromoform	10.799	173	14006	18.768	ug/l #	93
73) Isopropylbenzene	10.957	105	97798	19.994	ug/l	98
74) N-amyl acetate	10.842	43	47972	19.848	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	34938	20.383	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	30000m	19.838	ug/l	
77) Bromobenzene	11.195	156	22489	19.804	ug/l	97
78) n-propylbenzene	11.299	91	111007	19.518	ug/l	99
79) 2-Chlorotoluene	11.360	91	71888	19.597	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	82240	20.126	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	7887	16.979	ug/l	90
82) 4-Chlorotoluene	11.451	91	80816	19.866	ug/l	100
83) tert-Butylbenzene	11.713	119	81357	19.766	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	82574	19.954	ug/l	99
85) sec-Butylbenzene	11.890	105	100674	19.920	ug/l	99
86) p-Isopropyltoluene	12.006	119	81909	19.635	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	41082	19.823	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	41194	19.463	ug/l	97
89) n-Butylbenzene	12.329	91	69953	19.117	ug/l	99
90) Hexachloroethane	12.536	117	13872	18.875	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	41720	20.061	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7859	20.697	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	22710	19.012	ug/l	99
94) Hexachlorobutadiene	13.719	225	10037	19.240	ug/l	97
95) Naphthalene	13.774	128	83339	19.023	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	23424	19.005	ug/l	98

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

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