

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
 Data File : VX044923.D
 Acq On : 12 Feb 2025 11:20
 Operator : JC/MD
 Sample : VX0212WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0212WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/14/2025
 Supervised By : Mahesh Dadoda 02/14/2025

Quant Time: Feb 13 00:47:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	111261	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	204350	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	179478	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	82301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	81774	50.209	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.420%			
35) Dibromofluoromethane	5.379	113	65583	49.362	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.720%			
50) Toluene-d8	8.647	98	247053	49.174	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.340%			
62) 4-Bromofluorobenzene	11.079	95	85651	50.570	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.140%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	29797	19.095	ug/l	98
3) Chloromethane	1.300	50	34997	18.427	ug/l	100
4) Vinyl Chloride	1.373	62	32596	17.716	ug/l	98
5) Bromomethane	1.593	94	11098	20.156	ug/l	96
6) Chloroethane	1.666	64	16921	21.813	ug/l	93
7) Trichlorofluoromethane	1.873	101	44002	18.911	ug/l	98
8) Diethyl Ether	2.129	74	16393	19.426	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.324	101	26558	18.891	ug/l	99
10) Methyl Iodide	2.446	142	35166	19.301	ug/l	98
11) Tert butyl alcohol	2.977	59	27915	92.390	ug/l	100
12) 1,1-Dichloroethene	2.312	96	26286	18.330	ug/l	93
13) Acrolein	2.233	56	33487	107.421	ug/l	99
14) Allyl chloride	2.660	41	47738	18.419	ug/l	98
15) Acrylonitrile	3.062	53	77467	96.028	ug/l	99
16) Acetone	2.379	43	62338	95.211	ug/l	97
17) Carbon Disulfide	2.507	76	66564	16.927	ug/l	99
18) Methyl Acetate	2.696	43	40821	19.757	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	84907	18.609	ug/l	97
20) Methylene Chloride	2.782	84	29468	18.375	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	25735	18.233	ug/l	94
22) Diisopropyl ether	3.757	45	92775	18.921	ug/l	94
23) Vinyl Acetate	3.714	43	367002	91.811	ug/l	98
24) 1,1-Dichloroethane	3.605	63	50977	18.581	ug/l	98
25) 2-Butanone	4.556	43	103185	97.054	ug/l	95
26) 2,2-Dichloropropane	4.464	77	38585	17.734	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	32165	18.972	ug/l	99
28) Bromochloromethane	4.885	49	23788	18.042	ug/l	99
29) Tetrahydrofuran	5.001	42	67521	95.643	ug/l	99
30) Chloroform	5.086	83	50826	19.103	ug/l	99
31) Cyclohexane	5.464	56	45845	18.126	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	42322	18.753	ug/l	99
36) 1,1-Dichloropropene	5.684	75	35178	18.352	ug/l	100
37) Ethyl Acetate	4.714	43	39995	18.759	ug/l	100
38) Carbon Tetrachloride	5.671	117	34481	18.357	ug/l	99
39) Methylcyclohexane	7.372	83	46566	18.791	ug/l	96
40) Benzene	6.031	78	113256	18.922	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	22027	19.301	ug/l	97
42) 1,2-Dichloroethane	6.086	62	37792	19.811	ug/l	98
43) Isopropyl Acetate	6.336	43	63554	18.459	ug/l	98
44) Trichloroethene	7.122	130	24953	18.239	ug/l	100
45) 1,2-Dichloropropane	7.427	63	27612	18.543	ug/l	94
46) Dibromomethane	7.580	93	19672	19.049	ug/l	98
47) Bromodichloromethane	7.817	83	38240	19.124	ug/l	98
48) Methyl methacrylate	7.689	41	31017	19.106	ug/l	97
49) 1,4-Dioxane	7.659	88	13925	399.801	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	211899	101.236	ug/l	97
52) Toluene	8.714	92	67935	19.058	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	36346	17.962	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	40844	18.104	ug/l	99
55) 1,1,2-Trichloroethane	9.146	97	26296	19.190	ug/l	98
56) Ethyl methacrylate	9.116	69	40980	18.516	ug/l	97
57) 1,3-Dichloropropane	9.305	76	46604	19.438	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	104955	96.581	ug/l	100
59) 2-Hexanone	9.427	43	154657	102.550	ug/l	98
60) Dibromochloromethane	9.518	129	27533	18.788	ug/l	99
61) 1,2-Dibromoethane	9.604	107	26548	19.115	ug/l	96
64) Tetrachloroethene	9.268	164	21396	18.903	ug/l	98
65) Chlorobenzene	10.073	112	72694	18.857	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.158	131	22294	17.968	ug/l	96
67) Ethyl Benzene	10.189	91	128430	18.879	ug/l	99
68) m/p-Xylenes	10.299	106	96088	38.291	ug/l	99
69) o-Xylene	10.640	106	47534	18.878	ug/l	100
70) Styrene	10.652	104	78288	19.298	ug/l	99
71) Bromoform	10.799	173	17535	18.936	ug/l #	98
73) Isopropylbenzene	10.957	105	120952	18.252	ug/l	100
74) N-amyl acetate	10.841	43	55519	18.514	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	42256	18.556	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	33758m	18.500	ug/l	
77) Bromobenzene	11.195	156	28158	18.742	ug/l	97
78) n-propylbenzene	11.298	91	140438	18.361	ug/l	99
79) 2-Chlorotoluene	11.359	91	86613	18.425	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	100686	18.723	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	11525	16.247	ug/l	91
82) 4-Chlorotoluene	11.451	91	97212	18.692	ug/l	99
83) tert-Butylbenzene	11.713	119	100970	18.560	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	102485	19.309	ug/l	99
85) sec-Butylbenzene	11.890	105	126144	18.725	ug/l	100
86) p-Isopropyltoluene	12.006	119	102245	18.873	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	51423	18.612	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	52003	18.616	ug/l	99
89) n-Butylbenzene	12.329	91	89228	18.617	ug/l	99
90) Hexachloroethane	12.536	117	17270	17.025	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	52467	19.322	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7371	17.736	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	29489	17.948	ug/l	99
94) Hexachlorobutadiene	13.725	225	12394	19.001	ug/l	98
95) Naphthalene	13.774	128	110501	18.605	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	30930	18.682	ug/l	99

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

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