

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
 Data File : VX044951.D
 Acq On : 14 Feb 2025 11:14
 Operator : JC/MD
 Sample : VX0214WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0214WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/18/2025
 Supervised By : Mahesh Dadoda 02/19/2025

Quant Time: Feb 14 22:11:57 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	5.544	168	109167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	195743	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	172020	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	79806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	81048	50.718	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.440%			
35) Dibromofluoromethane	5.379	113	65054	51.117	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.240%			
50) Toluene-d8	8.647	98	239351	49.736	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.480%			
62) 4-Bromofluorobenzene	11.079	95	83506	51.472	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.940%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	30493	19.916	ug/l	96
3) Chloromethane	1.300	50	35876	19.252	ug/l	98
4) Vinyl Chloride	1.374	62	32947	18.250	ug/l	99
5) Bromomethane	1.593	94	12665	23.444	ug/l	95
6) Chloroethane	1.672	64	18270	24.073	ug/l	98
7) Trichlorofluoromethane	1.880	101	46110	20.197	ug/l	96
8) Diethyl Ether	2.130	74	16287	19.671	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	27143	19.677	ug/l	98
10) Methyl Iodide	2.447	142	35949	20.109	ug/l	98
11) Tert butyl alcohol	2.971	59	29984	101.141	ug/l	98
12) 1,1-Dichloroethene	2.312	96	26636	18.930	ug/l	97
13) Acrolein	2.233	56	32589	106.546	ug/l	98
14) Allyl chloride	2.660	41	48808	19.193	ug/l	97
15) Acrylonitrile	3.062	53	83287	105.222	ug/l	100
16) Acetone	2.380	43	69215	107.742	ug/l	99
17) Carbon Disulfide	2.508	76	65690	17.025	ug/l	97
18) Methyl Acetate	2.703	43	43622	21.518	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	88083	19.675	ug/l	99
20) Methylene Chloride	2.782	84	30381	19.308	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	25933	18.726	ug/l	92
22) Diisopropyl ether	3.757	45	97720	20.312	ug/l	92
23) Vinyl Acetate	3.715	43	389140	99.216	ug/l	98
24) 1,1-Dichloroethane	3.605	63	53879	20.015	ug/l	99
25) 2-Butanone	4.550	43	111260	106.657	ug/l	96
26) 2,2-Dichloropropane	4.464	77	40129	18.798	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	32961	19.815	ug/l	98
28) Bromochloromethane	4.897	49	23212	17.943	ug/l	99
29) Tetrahydrofuran	5.001	42	72346	104.443	ug/l	99
30) Chloroform	5.086	83	53725	20.580	ug/l	98
31) Cyclohexane	5.464	56	46821	18.867	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	43492	19.641	ug/l	98
36) 1,1-Dichloropropene	5.690	75	35991	19.602	ug/l	100
37) Ethyl Acetate	4.714	43	41720	20.428	ug/l	100
38) Carbon Tetrachloride	5.672	117	36299	20.174	ug/l	96
39) Methylcyclohexane	7.372	83	46927	19.769	ug/l	98
40) Benzene	6.031	78	114429	19.958	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	23705	21.685	ug/l	100
42) 1,2-Dichloroethane	6.080	62	39785	21.773	ug/l	99
43) Isopropyl Acetate	6.336	43	67687	20.524	ug/l	98
44) Trichloroethene	7.123	130	25978	19.823	ug/l	99
45) 1,2-Dichloropropane	7.427	63	28734	20.145	ug/l	96
46) Dibromomethane	7.580	93	20163	20.383	ug/l	98
47) Bromodichloromethane	7.818	83	40024	20.896	ug/l	97
48) Methyl methacrylate	7.690	41	32249	20.739	ug/l	98
49) 1,4-Dioxane	7.659	88	14784	443.128	ug/l	97
51) 4-Methyl-2-Pentanone	8.567	43	225966	112.703	ug/l	97
52) Toluene	8.714	92	69748	20.427	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	37169	19.176	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	43416	20.090	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	27886	21.245	ug/l	98
56) Ethyl methacrylate	9.116	69	42444	20.021	ug/l	98
57) 1,3-Dichloropropane	9.305	76	47815	20.820	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	107373	103.151	ug/l	100
59) 2-Hexanone	9.427	43	166655	115.365	ug/l	97
60) Dibromochloromethane	9.518	129	29087	20.721	ug/l	98
61) 1,2-Dibromoethane	9.604	107	28155	21.163	ug/l	97
64) Tetrachloroethene	9.268	164	22728	20.951	ug/l	96
65) Chlorobenzene	10.079	112	74635	20.200	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	23206	19.514	ug/l	95
67) Ethyl Benzene	10.189	91	131698	20.199	ug/l	99
68) m/p-Xylenes	10.299	106	98883	41.113	ug/l	100
69) o-Xylene	10.640	106	48694	20.177	ug/l	100
70) Styrene	10.652	104	81730	21.020	ug/l	100
71) Bromoform	10.799	173	18416	20.750	ug/l #	100
73) Isopropylbenzene	10.957	105	124187	19.326	ug/l	99
74) N-amyl acetate	10.841	43	57217	19.677	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	44116	19.979	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	36103m	20.404	ug/l	
77) Bromobenzene	11.195	156	29893	20.519	ug/l	93
78) n-propylbenzene	11.299	91	144703	19.510	ug/l	100
79) 2-Chlorotoluene	11.360	91	88678	19.454	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	104223	19.987	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	11634	16.914	ug/l	91
82) 4-Chlorotoluene	11.451	91	99533	19.736	ug/l	99
83) tert-Butylbenzene	11.713	119	104653	19.838	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	104819	20.366	ug/l	99
85) sec-Butylbenzene	11.890	105	131498	20.130	ug/l	98
86) p-Isopropyltoluene	12.006	119	106908	20.351	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	52788	19.704	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	53421	19.722	ug/l	98
89) n-Butylbenzene	12.329	91	94562	20.347	ug/l	99
90) Hexachloroethane	12.536	117	18131	18.433	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	54507	20.701	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8250	20.471	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	31211	19.589	ug/l	98
94) Hexachlorobutadiene	13.719	225	12661	20.018	ug/l	99
95) Naphthalene	13.774	128	114238	19.835	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	32268	20.099	ug/l	99

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

