

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121421\
 Data File : VX025772.D
 Acq On : 14 Dec 2021 13:15
 Operator : JC/MD
 Sample : VX1214WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1214WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/15/2021
 Supervised By : Mahesh Dadoda 12/21/2021

Quant Time: Dec 15 07:01:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 07:02:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	135948	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	221115	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	207133	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	104569	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	85101	43.507	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	87.020%		
35) Dibromofluoromethane	5.385	113	71264	46.213	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.420%		
50) Toluene-d8	8.647	98	269698	48.001	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.000%		
62) 4-Bromofluorobenzene	11.079	95	99658	46.694	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.380%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	27560	22.668	ug/l	98
3) Chloromethane	1.294	50	30599	19.328	ug/l	99
4) Vinyl Chloride	1.374	62	31745	18.851	ug/l	98
5) Bromomethane	1.599	94	21865	18.184	ug/l	95
6) Chloroethane	1.685	64	21732	17.817	ug/l	98
7) Trichlorofluoromethane	1.886	101	52679	18.938	ug/l	94
8) Diethyl Ether	2.136	74	18552	16.907	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	29546	20.412	ug/l	99
10) Methyl Iodide	2.453	142	34831	18.885	ug/l	100
11) Tert butyl alcohol	2.965	59	31559	80.431	ug/l	99
12) 1,1-Dichloroethene	2.319	96	26361	18.316	ug/l	99
13) Acrolein	2.239	56	23591	87.961	ug/l	99
14) Allyl chloride	2.666	41	45892	17.472	ug/l	99
15) Acrylonitrile	3.062	53	79904	87.232	ug/l	99
16) Acetone	2.380	43	91628	95.289	ug/l	97
17) Carbon Disulfide	2.514	76	76321	18.513	ug/l	97
18) Methyl Acetate	2.703	43	51475	17.266	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	91130	17.927	ug/l	100
20) Methylene Chloride	2.794	84	31143	17.019	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	30059	18.715	ug/l	97
22) Diisopropyl ether	3.763	45	90942	17.849	ug/l	93
23) Vinyl Acetate	3.721	43	358547	90.938	ug/l	99
24) 1,1-Dichloroethane	3.611	63	52317	17.983	ug/l	95
25) 2-Butanone	4.556	43	119937	91.165	ug/l	100
26) 2,2-Dichloropropane	4.477	77	41140	18.644	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	34883	18.316	ug/l	98
28) Bromochloromethane	4.903	49	21569	16.452	ug/l	97
29) Tetrahydrofuran	5.007	42	71621	85.625	ug/l	98
30) Chloroform	5.099	83	56531	17.718	ug/l	98
31) Cyclohexane	5.470	56	48746	20.492	ug/l	95
32) 1,1,1-Trichloroethane	5.391	97	50126	18.051	ug/l	99
36) 1,1-Dichloropropene	5.696	75	40822	19.521	ug/l	99
37) Ethyl Acetate	4.715	43	42619	18.343	ug/l	98
38) Carbon Tetrachloride	5.684	117	45516	18.706	ug/l	99
39) Methylcyclohexane	7.379	83	51164	21.866	ug/l	96
40) Benzene	6.037	78	120154	19.261	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	22907	17.815	ug/l	98
42) 1,2-Dichloroethane	6.092	62	44625	18.822	ug/l	100
43) Isopropyl Acetate	6.342	43	68236	18.229	ug/l	100
44) Trichloroethene	7.129	130	34956	20.128	ug/l	99
45) 1,2-Dichloropropane	7.434	63	29541	18.788	ug/l	97
46) Dibromomethane	7.580	93	22982	18.775	ug/l	97
47) Bromodichloromethane	7.824	83	44831	18.583	ug/l	97
48) Methyl methacrylate	7.696	41	32427	18.396	ug/l	100
49) 1,4-Dioxane	7.659	88	13619	353.898	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	224547	91.636	ug/l	99
52) Toluene	8.720	92	79811	20.079	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	42267	18.380	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	48001	19.077	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	32443	19.033	ug/l	97
56) Ethyl methacrylate	9.116	69	45256	18.487	ug/l	100
57) 1,3-Dichloropropane	9.311	76	52677	18.841	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	91038	87.012	ug/l	99
59) 2-Hexanone	9.433	43	176587	95.112	ug/l	99
60) Dibromochloromethane	9.525	129	35111	18.149	ug/l	100
61) 1,2-Dibromoethane	9.610	107	34404	18.615	ug/l	99
64) Tetrachloroethene	9.275	164	33977	20.564	ug/l	96
65) Chlorobenzene	10.079	112	87042	20.160	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	31353	18.596	ug/l	97
67) Ethyl Benzene	10.195	91	150712	20.642	ug/l	99
68) m/p-Xylenes	10.305	106	120127	42.282	ug/l	100
69) o-Xylene	10.646	106	57985	20.747	ug/l	98
70) Styrene	10.659	104	96159	20.676	ug/l	100
71) Bromoform	10.805	173	25570	18.410	ug/l #	98
73) Isopropylbenzene	10.963	105	153417	20.215	ug/l	100
74) N-amyl acetate	10.848	43	54369	17.811	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	48209	18.226	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	42903m	17.907	ug/l	
77) Bromobenzene	11.201	156	37973	19.507	ug/l	97
78) n-propylbenzene	11.305	91	176319	20.540	ug/l	100
79) 2-Chlorotoluene	11.366	91	105457	19.319	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	129325	20.546	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	12298	15.914	ug/l	93
82) 4-Chlorotoluene	11.457	91	121057	19.804	ug/l	100
83) tert-Butylbenzene	11.719	119	127952	20.739	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	128732	20.473	ug/l	99
85) sec-Butylbenzene	11.890	105	159647	21.528	ug/l	100
86) p-Isopropyltoluene	12.012	119	134717	21.632	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	71660	19.757	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	72111	19.473	ug/l	99
89) n-Butylbenzene	12.335	91	109517	21.081	ug/l	99
90) Hexachloroethane	12.542	117	21941	17.926	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	67955	19.619	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	10137	17.055	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	38752	20.685	ug/l	97
94) Hexachlorobutadiene	13.725	225	17785	24.138	ug/l	97
95) Naphthalene	13.780	128	125750	19.167	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	39257	20.855	ug/l	98

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

