

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111422\
 Data File : VX032785.D
 Acq On : 14 Nov 2022 11:32
 Operator : JC/MD
 Sample : VX1114WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/15/2022
 Supervised By : Mahesh Dadoda 11/15/2022

Quant Time: Nov 15 05:06:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	94458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	144139	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	131072	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	69823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	65975	50.268	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.540%			
35) Dibromofluoromethane	5.385	113	55481	53.962	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.920%			
50) Toluene-d8	8.647	98	181646	50.808	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.620%			
62) 4-Bromofluorobenzene	11.079	95	71707	51.347	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.700%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	19635	18.023	ug/l	98
3) Chloromethane	1.294	50	16465	17.871	ug/l	96
4) Vinyl Chloride	1.374	62	19643	19.372	ug/l	98
5) Bromomethane	1.617	94	13911	17.167	ug/l	98
6) Chloroethane	1.691	64	18620	27.373	ug/l	95
7) Trichlorofluoromethane	1.892	101	39139	20.371	ug/l	99
8) Diethyl Ether	2.130	74	12355	19.844	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	21424	21.127	ug/l	99
10) Methyl Iodide	2.453	142	18450	17.647	ug/l	99
11) Tert butyl alcohol	2.995	59	17042m	89.212	ug/l	
12) 1,1-Dichloroethene	2.325	96	18304	19.323	ug/l	95
13) Acrolein	2.239	56	12954	67.927	ug/l	97
14) Allyl chloride	2.666	41	30081	19.921	ug/l	99
15) Acrylonitrile	3.068	53	46403	89.505	ug/l	100
16) Acetone	2.392	43	47886	100.385	ug/l	99
17) Carbon Disulfide	2.514	76	43293	19.188	ug/l	98
18) Methyl Acetate	2.709	43	30909	19.926	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	67895	20.392	ug/l	97
20) Methylene Chloride	2.788	84	22053	20.163	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	20199	19.589	ug/l	97
22) Diisopropyl ether	3.757	45	67919	20.794	ug/l #	88
23) Vinyl Acetate	3.721	43	244062	92.488	ug/l	99
24) 1,1-Dichloroethane	3.611	63	39175	20.852	ug/l	98
25) 2-Butanone	4.562	43	64837	87.731	ug/l	99
26) 2,2-Dichloropropane	4.477	77	32714	21.905	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	25054	21.021	ug/l	98
28) Bromochloromethane	4.897	49	12408	18.542	ug/l	98
29) Tetrahydrofuran	5.013	42	41321	87.682	ug/l	97
30) Chloroform	5.092	83	44060	21.373	ug/l	96
31) Cyclohexane	5.477	56	30027	18.869	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	40301	21.785	ug/l	100
36) 1,1-Dichloropropene	5.696	75	29867	20.860	ug/l	100
37) Ethyl Acetate	4.715	43	25774	17.294	ug/l	98
38) Carbon Tetrachloride	5.678	117	37398	23.550	ug/l	93
39) Methylcyclohexane	7.379	83	32966	19.460	ug/l	99
40) Benzene	6.037	78	85718	21.156	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	15166	19.976	ug/l	98
42) 1,2-Dichloroethane	6.086	62	36524	22.053	ug/l	100
43) Isopropyl Acetate	6.336	43	44599	19.490	ug/l	99
44) Trichloroethene	7.129	130	23488	20.593	ug/l	88
45) 1,2-Dichloropropane	7.434	63	22755	21.879	ug/l	100
46) Dibromomethane	7.580	93	17354	21.757	ug/l	100
47) Bromodichloromethane	7.824	83	37041	24.502	ug/l	96
48) Methyl methacrylate	7.696	41	22473	19.016	ug/l	99
49) 1,4-Dioxane	7.708	88	7649	339.621	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	137695	95.534	ug/l	100
52) Toluene	8.720	92	56494	21.372	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	34723	22.512	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	36774	22.291	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	23818	21.395	ug/l	97
56) Ethyl methacrylate	9.116	69	31829	19.868	ug/l	100
57) 1,3-Dichloropropane	9.311	76	38443	21.384	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	81395	105.516	ug/l	99
59) 2-Hexanone	9.433	43	101137	94.567	ug/l	99
60) Dibromochloromethane	9.519	129	29542	24.295	ug/l	100
61) 1,2-Dibromoethane	9.610	107	25187	21.353	ug/l	100
64) Tetrachloroethene	9.275	164	20914	21.800	ug/l	94
65) Chlorobenzene	10.079	112	63426	21.602	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	26312	23.811	ug/l	99
67) Ethyl Benzene	10.195	91	112875	21.498	ug/l	100
68) m/p-Xylenes	10.305	106	86767	42.559	ug/l	99
69) o-Xylene	10.640	106	42542	21.462	ug/l	100
70) Styrene	10.659	104	71458	21.691	ug/l	100
71) Bromoform	10.799	173	21253	24.326	ug/l #	99
73) Isopropylbenzene	10.963	105	114767	20.743	ug/l	100
74) N-amyl acetate	10.841	43	36975	17.687	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	34781	19.584	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	27836m	17.920	ug/l	
77) Bromobenzene	11.201	156	28460	20.981	ug/l	99
78) n-propylbenzene	11.305	91	130944	20.541	ug/l	99
79) 2-Chlorotoluene	11.366	91	78940	20.678	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	98356	20.800	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	10045	20.577	ug/l	99
82) 4-Chlorotoluene	11.457	91	91876	20.567	ug/l	100
83) tert-Butylbenzene	11.713	119	100738	21.338	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	98604	20.965	ug/l	99
85) sec-Butylbenzene	11.890	105	117297	20.648	ug/l	99
86) p-Isopropyltoluene	12.012	119	100359	20.820	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	54545	21.317	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	54980	20.712	ug/l	99
89) n-Butylbenzene	12.335	91	83914	20.011	ug/l	100
90) Hexachloroethane	12.536	117	18780	23.853	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	53073	21.036	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7480	19.209	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	32986	20.052	ug/l	98
94) Hexachlorobutadiene	13.725	225	14703	21.400	ug/l	98
95) Naphthalene	13.774	128	102877	18.768	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	33143	19.820	ug/l	99

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

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