

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020122\
 Data File : VX026723.D
 Acq On : 01 Feb 2022 21:29
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/02/2022
 Supervised By : Mahesh Dadoda 02/03/2022

Quant Time: Feb 02 04:38:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 11 14:45:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	99535	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	162502	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	140972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	62878	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	61243	44.046	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.100%		
35) Dibromofluoromethane	5.391	113	50244	47.879	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.760%		
50) Toluene-d8	8.653	98	181608	48.025	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.040%		
62) 4-Bromofluorobenzene	11.079	95	62983	46.885	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.780%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.173	85	45574	38.775	ug/l	98
3) Chloromethane	1.294	50	45317	42.059	ug/l	100
4) Vinyl Chloride	1.380	62	48921	43.245	ug/l	98
5) Bromomethane	1.618	94	19959	38.247	ug/l	95
6) Chloroethane	1.691	64	23369	40.852	ug/l	100
7) Trichlorofluoromethane	1.892	101	74560	41.746	ug/l	100
8) Diethyl Ether	2.136	74	28194	44.610	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	49943	45.886	ug/l	98
10) Methyl Iodide	2.459	142	63995	54.207	ug/l	97
11) Tert butyl alcohol	3.026	59	49785	257.388	ug/l #	88
12) 1,1-Dichloroethene	2.325	96	46761	44.983	ug/l	92
13) Acrolein	2.239	56	72358	352.050	ug/l	99
14) Allyl chloride	2.672	41	88864	46.485	ug/l	96
15) Acrylonitrile	3.069	53	152465	256.065	ug/l	98
16) Acetone	2.386	43	123399	174.031	ug/l	97
17) Carbon Disulfide	2.520	76	111489	36.735	ug/l	100
18) Methyl Acetate	2.709	43	72017	51.088	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	179986	47.718	ug/l	98
20) Methylene Chloride	2.794	84	55613	47.470	ug/l	96
21) trans-1,2-Dichloroethene	3.099	96	51322	45.606	ug/l	98
22) Diisopropyl ether	3.764	45	185814	47.852	ug/l	100
23) Vinyl Acetate	3.727	43	795280	248.804	ug/l	98
24) 1,1-Dichloroethane	3.617	63	99963	47.667	ug/l	99
25) 2-Butanone	4.562	43	201604	218.632	ug/l	100
26) 2,2-Dichloropropane	4.483	77	73825	47.492	ug/l	97
27) cis-1,2-Dichloroethene	4.495	96	62665	48.791	ug/l	97
28) Bromochloromethane	4.904	49	41362	48.033	ug/l	98
29) Tetrahydrofuran	5.007	42	135085	246.657	ug/l	98
30) Chloroform	5.099	83	104268	47.852	ug/l	100
31) Cyclohexane	5.477	56	88288	43.050	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	89964	46.939	ug/l	99
36) 1,1-Dichloropropene	5.696	75	73608	44.433	ug/l	99
37) Ethyl Acetate	4.721	43	83262	49.686	ug/l	98
38) Carbon Tetrachloride	5.684	117	78444	46.035	ug/l	99
39) Methylcyclohexane	7.385	83	89973	45.027	ug/l	98
40) Benzene	6.044	78	219592	47.958	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	47785	50.338	ug/l	96
42) 1,2-Dichloroethane	6.092	62	81046	45.239	ug/l	98
43) Isopropyl Acetate	6.342	43	135803	50.168	ug/l	98
44) Trichloroethene	7.129	130	62850	48.373	ug/l	98
45) 1,2-Dichloropropane	7.434	63	57289	50.124	ug/l	97
46) Dibromomethane	7.586	93	39996	49.641	ug/l	98
47) Bromodichloromethane	7.824	83	80586	49.502	ug/l	100
48) Methyl methacrylate	7.696	41	66209	49.354	ug/l	96
49) 1,4-Dioxane	7.690	88	19950	906.189	ug/l	98
51) 4-Methyl-2-Pentanone	8.580	43	392908	244.711	ug/l	98
52) Toluene	8.720	92	139829	49.798	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	83123	47.849	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	91999	52.616	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	57075	52.087	ug/l	98
56) Ethyl methacrylate	9.116	69	88617	52.772	ug/l	96
57) 1,3-Dichloropropane	9.311	76	96050	50.560	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	213802	242.809	ug/l	98
59) 2-Hexanone	9.433	43	281668	229.207	ug/l	97
60) Dibromochloromethane	9.525	129	60752	53.205	ug/l	100
61) 1,2-Dibromoethane	9.610	107	58508	51.242	ug/l	100
64) Tetrachloroethene	9.275	164	62378	46.841	ug/l	95
65) Chlorobenzene	10.079	112	146692	49.413	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	56409	51.139	ug/l	99
67) Ethyl Benzene	10.195	91	264017	48.940	ug/l	99
68) m/p-Xylenes	10.305	106	198163	98.155	ug/l	98
69) o-Xylene	10.640	106	98203	50.410	ug/l	97
70) Styrene	10.659	104	161283	50.737	ug/l	98
71) Bromoform	10.799	173	39504	46.934	ug/l #	99
73) Isopropylbenzene	10.963	105	257465	49.954	ug/l	99
74) N-amyl acetate	10.848	43	104153	52.345	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	72380	52.320	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	69509m	50.207	ug/l	
77) Bromobenzene	11.201	156	59431	50.333	ug/l	97
78) n-propylbenzene	11.305	91	288776	49.133	ug/l	100
79) 2-Chlorotoluene	11.366	91	171849	48.217	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	211231	49.712	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	22078	50.274	ug/l	91
82) 4-Chlorotoluene	11.457	91	195609	47.754	ug/l	98
83) tert-Butylbenzene	11.713	119	203932	51.412	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	209551	49.307	ug/l	98
85) sec-Butylbenzene	11.890	105	257262	50.141	ug/l	100
86) p-Isopropyltoluene	12.012	119	216723	50.347	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	109234	49.356	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	109758	48.996	ug/l	99
89) n-Butylbenzene	12.335	91	181628	49.168	ug/l	99
90) Hexachloroethane	12.542	117	33623	46.945	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	106307	50.828	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	16910	50.575	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	68652	51.198	ug/l	99
94) Hexachlorobutadiene	13.725	225	28614	50.550	ug/l	98
95) Naphthalene	13.774	128	235140	52.573	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	68154	51.682	ug/l	98

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

