

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021122\
 Data File : VX026984.D
 Acq On : 11 Feb 2022 22:15
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/14/2022
 Supervised By : Mahesh Dadoda 02/15/2022

Quant Time: Feb 12 04:37:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 08 07:07:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	88662	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	148302	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	129848	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	58064	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	54632	51.331	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.660%			
35) Dibromofluoromethane	5.391	113	43813	49.587	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.180%			
50) Toluene-d8	8.653	98	164423	50.697	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.400%			
62) 4-Bromofluorobenzene	11.085	95	57402	50.271	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.540%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.173	85	46968	48.719	ug/l	99
3) Chloromethane	1.295	50	44331	49.429	ug/l	100
4) Vinyl Chloride	1.380	62	46355	49.375	ug/l	99
5) Bromomethane	1.612	94	17329	43.498	ug/l	97
6) Chloroethane	1.691	64	27003	53.223	ug/l	98
7) Trichlorofluoromethane	1.892	101	67032	48.518	ug/l	100
8) Diethyl Ether	2.136	74	24729	48.319	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	44338	48.959	ug/l	99
10) Methyl Iodide	2.459	142	58436	46.680	ug/l	97
11) Tert butyl alcohol	2.977	59	42122	219.078	ug/l #	93
12) 1,1-Dichloroethene	2.325	96	43108	47.508	ug/l	91
13) Acrolein	2.240	56	47222	265.767	ug/l	97
14) Allyl chloride	2.666	41	79070	49.195	ug/l	96
15) Acrylonitrile	3.069	53	141023	255.954	ug/l	99
16) Acetone	2.386	43	117242	250.813	ug/l	95
17) Carbon Disulfide	2.514	76	112729	43.886	ug/l	98
18) Methyl Acetate	2.709	43	64740	48.136	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	154899	48.229	ug/l	97
20) Methylene Chloride	2.794	84	49706	49.075	ug/l	97
21) trans-1,2-Dichloroethene	3.099	96	46197	48.382	ug/l	98
22) Diisopropyl ether	3.764	45	162289	50.152	ug/l	99
23) Vinyl Acetate	3.727	43	697531	256.382	ug/l	99
24) 1,1-Dichloroethane	3.617	63	87657	50.061	ug/l	99
25) 2-Butanone	4.562	43	192774	255.962	ug/l	99
26) 2,2-Dichloropropane	4.483	77	57482	48.587	ug/l	96
27) cis-1,2-Dichloroethene	4.495	96	54405	49.626	ug/l	96
28) Bromochloromethane	4.904	49	36973	50.938	ug/l	98
29) Tetrahydrofuran	5.007	42	129072	252.090	ug/l	98
30) Chloroform	5.105	83	90113	49.533	ug/l	99
31) Cyclohexane	5.477	56	79736	47.150	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	78642	49.029	ug/l	99
36) 1,1-Dichloropropene	5.696	75	66284	47.554	ug/l	99
37) Ethyl Acetate	4.715	43	76101	48.041	ug/l	98
38) Carbon Tetrachloride	5.684	117	69574	47.599	ug/l	97
39) Methylcyclohexane	7.385	83	80830	47.286	ug/l	96
40) Benzene	6.044	78	195592	48.147	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	42508	49.512	ug/l	97
42) 1,2-Dichloroethane	6.092	62	71444	49.908	ug/l	98
43) Isopropyl Acetate	6.342	43	119666	49.098	ug/l	99
44) Trichloroethene	7.129	130	57004	46.734	ug/l	99
45) 1,2-Dichloropropane	7.434	63	50516	49.148	ug/l	95
46) Dibromomethane	7.586	93	35232	49.539	ug/l	98
47) Bromodichloromethane	7.824	83	70104	51.472	ug/l	98
48) Methyl methacrylate	7.696	41	59427	49.209	ug/l	98
49) 1,4-Dioxane	7.678	88	19459	935.072	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	372413	252.149	ug/l	98
52) Toluene	8.720	92	124547	48.424	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	68627	46.639	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	77363	51.440	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	49698	51.041	ug/l	99
56) Ethyl methacrylate	9.116	69	77968	50.515	ug/l	97
57) 1,3-Dichloropropane	9.311	76	85515	51.145	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	197134	248.841	ug/l	98
59) 2-Hexanone	9.433	43	272445	252.194	ug/l	97
60) Dibromochloromethane	9.525	129	52256	52.158	ug/l	99
61) 1,2-Dibromoethane	9.610	107	52424	50.958	ug/l	99
64) Tetrachloroethene	9.275	164	58854	45.129	ug/l	95
65) Chlorobenzene	10.080	112	130263	48.508	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	49060	49.664	ug/l	99
67) Ethyl Benzene	10.195	91	232885	48.999	ug/l	100
68) m/p-Xylenes	10.305	106	177008	96.798	ug/l	97
69) o-Xylene	10.640	106	85633	47.791	ug/l	98
70) Styrene	10.659	104	142856	49.157	ug/l	98
71) Bromoform	10.799	173	33750	44.333	ug/l #	100
73) Isopropylbenzene	10.964	105	226457	49.514	ug/l	99
74) N-amyl acetate	10.842	43	90585	49.570	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.214	83	61991	49.946	ug/l	100
76) 1,2,3-Trichloropropane	11.244	75	62379m	49.077	ug/l	
77) Bromobenzene	11.201	156	52532	48.321	ug/l	97
78) n-propylbenzene	11.305	91	254723	50.238	ug/l	99
79) 2-Chlorotoluene	11.366	91	150577	48.065	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	184045	48.894	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	18225	45.183	ug/l	95
82) 4-Chlorotoluene	11.457	91	169962	48.361	ug/l	98
83) tert-Butylbenzene	11.720	119	175428	48.898	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	183240	48.262	ug/l	97
85) sec-Butylbenzene	11.890	105	225433	49.571	ug/l	100
86) p-Isopropyltoluene	12.012	119	188851	49.019	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	95224	47.801	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	95715	47.643	ug/l	98
89) n-Butylbenzene	12.335	91	157576	49.991	ug/l	100
90) Hexachloroethane	12.543	117	29135	52.324	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	93178	48.476	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	15168	49.695	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	57774	47.626	ug/l	97
94) Hexachlorobutadiene	13.725	225	23603	46.000	ug/l	100
95) Naphthalene	13.774	128	211811	49.848	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	59894	48.761	ug/l	98

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

