

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120321\
 Data File : VX025497.D
 Acq On : 03 Dec 2021 21:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/04/2021
 Supervised By : Mahesh Dadoda 12/06/2021

Quant Time: Dec 04 06:54:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	78369	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	124608	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	117422	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	60392	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	43434	52.580	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.160%			
35) Dibromofluoromethane	5.391	113	39089	51.127	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.260%			
50) Toluene-d8	8.653	98	142767	49.665	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.320%			
62) 4-Bromofluorobenzene	11.079	95	54727	50.324	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.640%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	34706	51.088	ug/l	100
3) Chloromethane	1.294	50	35790	42.549	ug/l	99
4) Vinyl Chloride	1.374	62	39558	42.835	ug/l	99
5) Bromomethane	1.599	94	20615	51.921	ug/l	99
6) Chloroethane	1.678	64	27660	43.408	ug/l	98
7) Trichlorofluoromethane	1.886	101	65218	47.579	ug/l	100
8) Diethyl Ether	2.136	74	26368	46.612	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	37510	51.431	ug/l	98
10) Methyl Iodide	2.453	142	38387	42.095	ug/l	94
11) Tert butyl alcohol	2.971	59	46859	228.555	ug/l	98
12) 1,1-Dichloroethene	2.319	96	35373	48.699	ug/l	89
13) Acrolein	2.239	56	9674	255.630	ug/l	100
14) Allyl chloride	2.666	41	58832	44.754	ug/l	97
15) Acrylonitrile	3.068	53	112033	252.733	ug/l	98
16) Acetone	2.380	43	94317	205.479	ug/l	96
17) Carbon Disulfide	2.514	76	78940	38.633	ug/l	99
18) Methyl Acetate	2.703	43	70727	48.227	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	128265	50.681	ug/l	99
20) Methylene Chloride	2.794	84	41042	47.565	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	38875	48.855	ug/l	88
22) Diisopropyl ether	3.763	45	125586	50.165	ug/l	96
23) Vinyl Acetate	3.727	43	495732	246.519	ug/l	96
24) 1,1-Dichloroethane	3.611	63	69651	50.918	ug/l	97
25) 2-Butanone	4.562	43	154970	233.519	ug/l	99
26) 2,2-Dichloropropane	4.477	77	54017	43.556	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	47264	50.863	ug/l	89
28) Bromochloromethane	4.904	49	33088	51.874	ug/l	92
29) Tetrahydrofuran	5.007	42	100030	243.439	ug/l	97
30) Chloroform	5.099	83	73980	51.968	ug/l	96
31) Cyclohexane	5.477	56	59186	46.365	ug/l	100
32) 1,1,1-Trichloroethane	5.385	97	65380	50.164	ug/l	97
36) 1,1-Dichloropropene	5.696	75	52389	48.189	ug/l	96
37) Ethyl Acetate	4.715	43	59225	47.881	ug/l	99
38) Carbon Tetrachloride	5.684	117	58879	49.172	ug/l	99
39) Methylcyclohexane	7.385	83	63285	45.382	ug/l	93
40) Benzene	6.044	78	158677	48.181	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	32817	47.801	ug/l	97
42) 1,2-Dichloroethane	6.092	62	57162	53.343	ug/l	94
43) Isopropyl Acetate	6.342	43	97581	47.404	ug/l	98
44) Trichloroethene	7.129	130	46468	48.571	ug/l	93
45) 1,2-Dichloropropane	7.434	63	40213	49.715	ug/l	97
46) Dibromomethane	7.586	93	29681	50.548	ug/l	94
47) Bromodichloromethane	7.824	83	57245	49.609	ug/l	97
48) Methyl methacrylate	7.696	41	45216	46.803	ug/l	94
49) 1,4-Dioxane	7.659	88	19811	971.055	ug/l	93
51) 4-Methyl-2-Pentanone	8.574	43	319587	247.591	ug/l	99
52) Toluene	8.720	92	105051	48.859	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	58534	45.615	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	64287	46.217	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	44134	51.645	ug/l	97
56) Ethyl methacrylate	9.116	69	67522	48.690	ug/l	96
57) 1,3-Dichloropropane	9.311	76	71844	50.723	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	168231	260.744	ug/l	95
59) 2-Hexanone	9.433	43	245477	241.227	ug/l	97
60) Dibromochloromethane	9.525	129	46933	47.718	ug/l	99
61) 1,2-Dibromoethane	9.610	107	47240	51.040	ug/l	99
64) Tetrachloroethene	9.275	164	46447	47.969	ug/l	95
65) Chlorobenzene	10.079	112	118467	49.509	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	44392	48.377	ug/l	100
67) Ethyl Benzene	10.195	91	202128	48.881	ug/l	96
68) m/p-Xylenes	10.305	106	162691	96.324	ug/l	94
69) o-Xylene	10.646	106	81277	49.166	ug/l	92
70) Styrene	10.659	104	135559	49.638	ug/l	97
71) Bromoform	10.799	173	35630	44.723	ug/l #	99
73) Isopropylbenzene	10.963	105	208562	48.457	ug/l	98
74) N-amyl acetate	10.848	43	87245	46.864	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	68300	49.059	ug/l	100
76) 1,2,3-Trichloropropane	11.244	75	60476m	48.901	ug/l	
77) Bromobenzene	11.201	156	55079	49.760	ug/l	93
78) n-propylbenzene	11.305	91	237102	49.077	ug/l	97
79) 2-Chlorotoluene	11.366	91	142476	48.440	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	174599	48.260	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	18873	38.444	ug/l	96
82) 4-Chlorotoluene	11.457	91	161934	48.230	ug/l	96
83) tert-Butylbenzene	11.719	119	177781	48.353	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	175466	49.071	ug/l	95
85) sec-Butylbenzene	11.890	105	220698	49.374	ug/l	98
86) p-Isopropyltoluene	12.012	119	186601	48.587	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	101305	49.166	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	100517	48.144	ug/l	98
89) n-Butylbenzene	12.335	91	153500	47.419	ug/l	97
90) Hexachloroethane	12.542	117	29871	42.206	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	97731	48.670	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	14081	48.421	ug/l	90
93) 1,2,4-Trichlorobenzene	13.591	180	60989	51.602	ug/l	98
94) Hexachlorobutadiene	13.725	225	26776	47.182	ug/l	99
95) Naphthalene	13.780	128	203789	50.011	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	61600	53.277	ug/l	98

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

