

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120621\
 Data File : VX025564.D
 Acq On : 06 Dec 2021 21:13
 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 12/07/2021
 Supervised By : Mahesh Dadoda 12/14/2021

Quant Time: Dec 07 06:07:32 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	68956	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	114328	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	106993	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	54168	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	42127	57.959	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.920%			
35) Dibromofluoromethane	5.391	113	36720	52.347	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.700%			
50) Toluene-d8	8.653	98	131705	49.936	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.880%			
62) 4-Bromofluorobenzene	11.085	95	51023	51.136	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.280%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	30528	51.072	ug/l	98
3) Chloromethane	1.294	50	34104	46.079	ug/l	98
4) Vinyl Chloride	1.374	62	36849	45.348	ug/l	98
5) Bromomethane	1.599	94	19818	56.728	ug/l	98
6) Chloroethane	1.672	64	26416	47.115	ug/l	95
7) Trichlorofluoromethane	1.880	101	59758	49.547	ug/l	99
8) Diethyl Ether	2.136	74	26560	53.361	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.325	101	33448	52.122	ug/l	98
10) Methyl Iodide	2.447	142	39985	49.833	ug/l	95
11) Tert butyl alcohol	2.977	59	50136	279.923	ug/l	99
12) 1,1-Dichloroethene	2.313	96	32677	51.129	ug/l	92
13) Acrolein	2.239	56	10150	304.821	ug/l	99
14) Allyl chloride	2.660	41	58287	50.392	ug/l	96
15) Acrylonitrile	3.068	53	118554	303.951	ug/l	99
16) Acetone	2.386	43	100104	247.857	ug/l	96
17) Carbon Disulfide	2.508	76	68461	38.079	ug/l	97
18) Methyl Acetate	2.709	43	76217	59.064	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	132070	59.308	ug/l	98
20) Methylene Chloride	2.788	84	41330	54.438	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	36464	52.080	ug/l	88
22) Diisopropyl ether	3.770	45	127177	57.735	ug/l	93
23) Vinyl Acetate	3.727	43	510662	288.608	ug/l	97
24) 1,1-Dichloroethane	3.611	63	69275	57.556	ug/l	96
25) 2-Butanone	4.568	43	166178	284.590	ug/l	99
26) 2,2-Dichloropropane	4.483	77	47076	43.141	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	47204	57.733	ug/l	88
28) Bromochloromethane	4.904	49	32081	57.161	ug/l	92
29) Tetrahydrofuran	5.013	42	106448	294.421	ug/l	97
30) Chloroform	5.105	83	74881	59.782	ug/l	98
31) Cyclohexane	5.477	56	52519	46.758	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	62780	54.745	ug/l	98
36) 1,1-Dichloropropene	5.696	75	49067	49.191	ug/l	97
37) Ethyl Acetate	4.721	43	63203	55.692	ug/l	99
38) Carbon Tetrachloride	5.684	117	54391	49.508	ug/l	94
39) Methylcyclohexane	7.385	83	55481	43.363	ug/l	95
40) Benzene	6.044	78	158437	52.434	ug/l	99

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41) Methacrylonitrile	4.928	41	34825	55.287	ug/l	98
42) 1,2-Dichloroethane	6.092	62	57721	58.708	ug/l	93
43) Isopropyl Acetate	6.348	43	102669	54.360	ug/l	98
44) Trichloroethene	7.129	130	44560	50.764	ug/l	99
45) 1,2-Dichloropropane	7.434	63	40458	54.516	ug/l	99
46) Dibromomethane	7.586	93	30342	56.320	ug/l	94
47) Bromodichloromethane	7.824	83	56901	53.745	ug/l	97
48) Methyl methacrylate	7.696	41	47631	53.736	ug/l	95
49) 1,4-Dioxane	7.665	88	21489	1148.014	ug/l	94
51) 4-Methyl-2-Pentanone	8.580	43	336874	284.451	ug/l	99
52) Toluene	8.720	92	103472	52.452	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	58660	49.823	ug/l	97
54) cis-1,3-Dichloropropene	8.372	75	63915	50.081	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	45284	57.756	ug/l	99
56) Ethyl methacrylate	9.122	69	69277	54.447	ug/l	96
57) 1,3-Dichloropropane	9.311	76	73092	56.245	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	168738	285.046	ug/l	95
59) 2-Hexanone	9.433	43	255901	274.082	ug/l	96
60) Dibromochloromethane	9.525	129	46660	51.706	ug/l	98
61) 1,2-Dibromoethane	9.610	107	46864	55.186	ug/l	99
64) Tetrachloroethene	9.275	164	38916	44.109	ug/l	93
65) Chlorobenzene	10.079	112	114894	52.696	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	44346	53.038	ug/l	99
67) Ethyl Benzene	10.195	91	194940	51.738	ug/l	98
68) m/p-Xylenes	10.305	106	156450	101.658	ug/l	94
69) o-Xylene	10.646	106	78897	52.379	ug/l	91
70) Styrene	10.659	104	132640	53.303	ug/l	97
71) Bromoform	10.805	173	35192	48.479	ug/l #	99
73) Isopropylbenzene	10.963	105	198389	51.390	ug/l	98
74) N-amyl acetate	10.848	43	89915	53.848	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	70870	56.755	ug/l	100
76) 1,2,3-Trichloropropane	11.244	75	59865m	53.969	ug/l	
77) Bromobenzene	11.201	156	53847	54.237	ug/l	94
78) n-propylbenzene	11.305	91	222274	51.294	ug/l	97
79) 2-Chlorotoluene	11.366	91	137487	52.115	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	165860	51.112	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.024	75	17811	40.450	ug/l	98
82) 4-Chlorotoluene	11.457	91	155442	51.616	ug/l	96
83) tert-Butylbenzene	11.719	119	171291	51.941	ug/l	93
84) 1,2,4-Trimethylbenzene	11.756	105	170329	53.108	ug/l	97
85) sec-Butylbenzene	11.890	105	203911	50.860	ug/l	98
86) p-Isopropyltoluene	12.012	119	172465	50.066	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	97521	52.767	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	96912	51.751	ug/l	98
89) n-Butylbenzene	12.335	91	142064	48.929	ug/l	97
90) Hexachloroethane	12.542	117	27809	43.808	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	95233	52.875	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	14859	56.968	ug/l	87
93) 1,2,4-Trichlorobenzene	13.591	180	60485	57.056	ug/l	99
94) Hexachlorobutadiene	13.725	225	23208	45.594	ug/l	96
95) Naphthalene	13.780	128	213231	58.403	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	61139	58.954	ug/l	99

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

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