

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032522\
 Data File : VX027698.D
 Acq On : 25 Mar 2022 13:18
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/26/2022
 Supervised By : Mahesh Dadoda 03/28/2022

Quant Time: Mar 25 14:00:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 25 13:56:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	67372	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	115510	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	103873	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	46042	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	48637	57.237	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 114.480%			
35) Dibromofluoromethane	5.385	113	32899	46.049	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 92.100%			
50) Toluene-d8	8.653	98	129704	47.948	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 95.900%			
62) 4-Bromofluorobenzene	11.085	95	52657	51.735	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 103.460%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	42768	63.855	ug/l	98
3) Chloromethane	1.294	50	38909	64.743	ug/l	100
4) Vinyl Chloride	1.374	62	39085	57.931	ug/l	97
5) Bromomethane	1.599	94	13748	39.104	ug/l	99
6) Chloroethane	1.678	64	22228	54.473	ug/l	98
7) Trichlorofluoromethane	1.880	101	55050	50.709	ug/l	99
8) Diethyl Ether	2.136	74	20044	49.825	ug/l	84
9) 1,1,2-Trichlorotrifluo...	2.325	101	35504	54.138	ug/l	94
10) Methyl Iodide	2.453	142	39244	47.229	ug/l	# 89
11) Tert butyl alcohol	2.971	59	53024	320.533	ug/l	100
12) 1,1-Dichloroethene	2.319	96	34045	53.959	ug/l	96
13) Acrolein	2.233	56	33301	269.543	ug/l	95
14) Allyl chloride	2.666	41	69310	66.831	ug/l	# 89
15) Acrylonitrile	3.068	53	129194	338.849	ug/l	99
16) Acetone	2.380	43	103619	295.928	ug/l	92
17) Carbon Disulfide	2.508	76	90104	55.803	ug/l	100
18) Methyl Acetate	2.703	43	61462	70.238	ug/l	# 88
19) Methyl tert-butyl Ether	3.117	73	132878	60.898	ug/l	98
20) Methylene Chloride	2.788	84	40676	54.758	ug/l	# 86
21) trans-1,2-Dichloroethene	3.093	96	36620	54.351	ug/l	# 82
22) Diisopropyl ether	3.770	45	130245	64.898	ug/l	94
23) Vinyl Acetate	3.727	43	589921	336.112	ug/l	# 92
24) 1,1-Dichloroethane	3.611	63	75736	62.576	ug/l	94
25) 2-Butanone	4.562	43	175465	327.843	ug/l	93
26) 2,2-Dichloropropane	4.483	77	54192	56.426	ug/l	97
27) cis-1,2-Dichloroethene	4.495	96	43041	55.104	ug/l	92
28) Bromochloromethane	4.897	49	29800	61.550	ug/l	# 80
29) Tetrahydrofuran	5.007	42	99314	297.435	ug/l	91
30) Chloroform	5.099	83	71666	55.250	ug/l	96
31) Cyclohexane	5.470	56	62063	58.549	ug/l	89
32) 1,1,1-Trichloroethane	5.385	97	62538	53.395	ug/l	97
36) 1,1-Dichloropropene	5.696	75	54247	53.240	ug/l	96
37) Ethyl Acetate	4.721	43	67849	64.602	ug/l	96
38) Carbon Tetrachloride	5.678	117	54162	47.634	ug/l	95
39) Methylcyclohexane	7.385	83	67651	52.816	ug/l	89
40) Benzene	6.044	78	163428	55.495	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	37258	64.955	ug/l	89
42) 1,2-Dichloroethane	6.092	62	71164	62.897	ug/l	91
43) Isopropyl Acetate	6.342	43	111729	65.379	ug/l #	91
44) Trichloroethene	7.129	130	38953	45.136	ug/l	82
45) 1,2-Dichloropropane	7.434	63	42644	56.507	ug/l	94
46) Dibromomethane	7.586	93	31050	54.377	ug/l #	86
47) Bromodichloromethane	7.824	83	61605	56.991	ug/l	99
48) Methyl methacrylate	7.696	41	56708	67.170	ug/l #	80
49) 1,4-Dioxane	7.659	88	21039	1035.019	ug/l #	84
51) 4-Methyl-2-Pentanone	8.574	43	370275	340.291	ug/l	88
52) Toluene	8.720	92	100077	52.082	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	63391	57.788	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	68772	57.172	ug/l #	80
55) 1,1,2-Trichloroethane	9.153	97	40817	52.456	ug/l	91
56) Ethyl methacrylate	9.116	69	71387	59.801	ug/l #	75
57) 1,3-Dichloropropane	9.311	76	74030	57.139	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	183511	320.101	ug/l	90
59) 2-Hexanone	9.433	43	283540	338.810	ug/l	83
60) Dibromochloromethane	9.525	129	41196	48.759	ug/l	97
61) 1,2-Dibromoethane	9.610	107	43336	50.747	ug/l	99
64) Tetrachloroethene	9.275	164	35085	44.571	ug/l #	91
65) Chlorobenzene	10.079	112	103111	48.891	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	36310	46.662	ug/l	99
67) Ethyl Benzene	10.195	91	199307	54.067	ug/l	98
68) m/p-Xylenes	10.305	106	145063	101.088	ug/l	91
69) o-Xylene	10.646	106	70875	50.924	ug/l	86
70) Styrene	10.659	104	118545	52.128	ug/l #	92
71) Bromoform	10.805	173	26924	43.835	ug/l #	99
73) Isopropylbenzene	10.963	105	189077	55.694	ug/l	97
74) N-amyl acetate	10.848	43	91985	71.786	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	11.213	83	64128	58.638	ug/l	100
76) 1,2,3-Trichloropropane	11.244	75	63751m	63.579	ug/l	
77) Bromobenzene	11.201	156	39370	47.561	ug/l	74
78) n-propylbenzene	11.305	91	225662	59.757	ug/l	96
79) 2-Chlorotoluene	11.366	91	137032	58.014	ug/l	92
80) 1,3,5-Trimethylbenzene	11.451	105	161811	56.566	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.024	75	19366	59.519	ug/l #	74
82) 4-Chlorotoluene	11.457	91	159151	58.956	ug/l	94
83) tert-Butylbenzene	11.719	119	148812	53.231	ug/l	85
84) 1,2,4-Trimethylbenzene	11.756	105	163116	57.064	ug/l	93
85) sec-Butylbenzene	11.890	105	193857	56.701	ug/l	96
86) p-Isopropyltoluene	12.012	119	158070	54.374	ug/l	92
87) 1,3-Dichlorobenzene	11.969	146	75586	48.902	ug/l	95
88) 1,4-Dichlorobenzene	12.042	146	76131	48.606	ug/l	95
89) n-Butylbenzene	12.335	91	144937	58.713	ug/l	96
90) Hexachloroethane	12.542	117	24680	53.499	ug/l	90
91) 1,2-Dichlorobenzene	12.335	146	74724	49.368	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	15468	61.188	ug/l	75
93) 1,2,4-Trichlorobenzene	13.591	180	48356	49.693	ug/l	99
94) Hexachlorobutadiene	13.725	225	22300	51.559	ug/l	95
95) Naphthalene	13.780	128	173843	54.347	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	47208	48.142	ug/l	97

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

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