

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051823\
 Data File : VX035750.D
 Acq On : 18 May 2023 18:18
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 19 05:47:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 11 13:57:54 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/19/2023
 Supervised By : Mahesh Dadoda 05/19/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	152110	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	294216	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	272743	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	127707	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	176365	66.462	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 132.920%#			
35) Dibromofluoromethane	5.385	113	118082	59.512	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 119.020%			
50) Toluene-d8	8.647	98	418891	57.147	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 114.300%#			
62) 4-Bromofluorobenzene	11.079	95	173096	58.649	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 117.300%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	101232	51.066	ug/l	98
3) Chloromethane	1.294	50	130660	54.312	ug/l	99
4) Vinyl Chloride	1.374	62	117092	57.352	ug/l	97
5) Bromomethane	1.617	94	75516	68.295	ug/l	97
6) Chloroethane	1.691	64	76465	61.737	ug/l	96
7) Trichlorofluoromethane	1.886	101	144747	48.217	ug/l	100
8) Diethyl Ether	2.130	74	75109	64.982	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	88957	49.910	ug/l	94
10) Methyl Iodide	2.453	142	116048	72.800	ug/l	90
11) Tert butyl alcohol	3.087	59	143924m	307.419	ug/l	
12) 1,1-Dichloroethene	2.319	96	92679	54.712	ug/l	89
13) Acrolein	2.239	56	157848	284.074	ug/l	100
14) Allyl chloride	2.666	41	212259	58.490	ug/l	93
15) Acrylonitrile	3.075	53	352636	342.059	ug/l	98
16) Acetone	2.404	43	348787	305.815	ug/l	92
17) Carbon Disulfide	2.514	76	189467	46.345	ug/l	99
18) Methyl Acetate	2.709	43	299862	71.290	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	434328	64.433	ug/l	97
20) Methylene Chloride	2.788	84	128660	62.244	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	109265	58.866	ug/l	95
22) Diisopropyl ether	3.757	45	454638	63.985	ug/l	98
23) Vinyl Acetate	3.721	43	1641821	326.567	ug/l	97
24) 1,1-Dichloroethane	3.611	63	237961	62.620	ug/l	98
25) 2-Butanone	4.568	43	520803	329.867	ug/l	99
26) 2,2-Dichloropropane	4.477	77	177406	55.129	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	136832	61.323	ug/l	94
28) Bromochloromethane	4.897	49	111475	65.218	ug/l	94
29) Tetrahydrofuran	5.013	42	332737	335.302	ug/l	98
30) Chloroform	5.092	83	247476	63.553	ug/l	99
31) Cyclohexane	5.470	56	166407	49.635	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	192575	56.839	ug/l	98
36) 1,1-Dichloropropene	5.696	75	159060	50.786	ug/l	97
37) Ethyl Acetate	4.714	43	202614	62.024	ug/l	100
38) Carbon Tetrachloride	5.678	117	145004	48.874	ug/l	97
39) Methylcyclohexane	7.379	83	159489	43.260	ug/l	93
40) Benzene	6.037	78	499068	56.960	ug/l	100

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41) Methacrylonitrile	4.922	41	121622	62.705	ug/l	96
42) 1,2-Dichloroethane	6.086	62	225210	59.753	ug/l	96
43) Isopropyl Acetate	6.342	43	338466	59.417	ug/l	99
44) Trichloroethene	7.123	130	118512	53.345	ug/l	93
45) 1,2-Dichloropropane	7.427	63	136672	58.898	ug/l	97
46) Dibromomethane	7.580	93	94596	59.554	ug/l	93
47) Bromodichloromethane	7.824	83	174815	56.940	ug/l	97
48) Methyl methacrylate	7.690	41	173629	61.762	ug/l	96
49) 1,4-Dioxane	7.744	88	66064	1180.842	ug/l #	88
51) 4-Methyl-2-Pentanone	8.574	43	1035940	315.666	ug/l	98
52) Toluene	8.720	92	307028	55.513	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	195303	58.552	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	209839	58.717	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	132104	60.814	ug/l	99
56) Ethyl methacrylate	9.116	69	212893	60.518	ug/l	96
57) 1,3-Dichloropropane	9.305	76	236258	59.995	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	548468	306.480	ug/l	98
59) 2-Hexanone	9.433	43	779318	315.325	ug/l	98
60) Dibromochloromethane	9.525	129	120745	58.312	ug/l	100
61) 1,2-Dibromoethane	9.610	107	137646	60.142	ug/l	99
64) Tetrachloroethene	9.275	164	88933	48.433	ug/l	91
65) Chlorobenzene	10.079	112	327563	55.018	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	116824	55.493	ug/l	99
67) Ethyl Benzene	10.195	91	600538	53.633	ug/l	97
68) m/p-Xylenes	10.299	106	445415	107.616	ug/l	94
69) o-Xylene	10.640	106	223911	54.519	ug/l	94
70) Styrene	10.652	104	375008	56.654	ug/l	97
71) Bromoform	10.799	173	73845	53.313	ug/l #	99
73) Isopropylbenzene	10.963	105	563507	52.364	ug/l	99
74) N-amyl acetate	10.841	43	279722	55.749	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	199004	57.007	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	192549m	61.640	ug/l	
77) Bromobenzene	11.195	156	133069	54.480	ug/l	92
78) n-propylbenzene	11.305	91	660428	52.208	ug/l	98
79) 2-Chlorotoluene	11.366	91	429122	54.182	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	489176	53.484	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	53583	55.283	ug/l #	85
82) 4-Chlorotoluene	11.451	91	491703	53.908	ug/l	97
83) tert-Butylbenzene	11.713	119	452136	50.856	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	499507	54.391	ug/l	96
85) sec-Butylbenzene	11.890	105	546234	48.934	ug/l	98
86) p-Isopropyltoluene	12.006	119	465192	50.691	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	246509	53.127	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	248365	53.008	ug/l	98
89) n-Butylbenzene	12.329	91	403174	48.295	ug/l	98
90) Hexachloroethane	12.536	117	69338	49.849	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	243753	53.646	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	43648	56.150	ug/l	86
93) 1,2,4-Trichlorobenzene	13.585	180	138461	50.610	ug/l	99
94) Hexachlorobutadiene	13.725	225	45252	41.672	ug/l	97
95) Naphthalene	13.774	128	519457	55.444	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	140166	52.093	ug/l	97

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

