

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052223\
 Data File : VX035774.D
 Acq On : 22 May 2023 10:45
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/23/2023
 Supervised By : Mahesh Dadoda 05/23/2023

Quant Time: May 23 06:01:27 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

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	205664	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	359507	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	320382	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	149423	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	185571	51.722	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.440%			
35) Dibromofluoromethane	5.379	113	128040	52.811	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.620%			
50) Toluene-d8	8.647	98	464038	51.809	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.620%			
62) 4-Bromofluorobenzene	11.079	95	185755	51.508	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.020%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	141079	52.635	ug/l	99
3) Chloromethane	1.294	50	139197	42.794	ug/l	98
4) Vinyl Chloride	1.374	62	132692	48.069	ug/l	97
5) Bromomethane	1.617	94	75645	50.597	ug/l	97
6) Chloroethane	1.691	64	76016	45.393	ug/l	99
7) Trichlorofluoromethane	1.886	101	204061	50.275	ug/l	99
8) Diethyl Ether	2.130	74	71877	45.993	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	120399	49.961	ug/l	97
10) Methyl Iodide	2.453	142	126809	58.836	ug/l	90
11) Tert butyl alcohol	3.075	59	139172m	219.861	ug/l	
12) 1,1-Dichloroethene	2.319	96	108333	47.300	ug/l	93
13) Acrolein	2.245	56	112622	149.905	ug/l	98
14) Allyl chloride	2.666	41	235847	48.067	ug/l	92
15) Acrylonitrile	3.075	53	345959	248.198	ug/l	99
16) Acetone	2.410	43	351763	228.112	ug/l	92
17) Carbon Disulfide	2.514	76	260775	47.178	ug/l	98
18) Methyl Acetate	2.709	43	294394	51.765	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	452402	49.638	ug/l	96
20) Methylene Chloride	2.788	84	135222	48.384	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	124307	49.531	ug/l	93
22) Diisopropyl ether	3.757	45	484263	50.407	ug/l	98
23) Vinyl Acetate	3.721	43	1706868	251.100	ug/l	98
24) 1,1-Dichloroethane	3.605	63	261742	50.942	ug/l	97
25) 2-Butanone	4.574	43	510804	239.287	ug/l	99
26) 2,2-Dichloropropane	4.471	77	215578	49.547	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	148872	49.345	ug/l	92
28) Bromochloromethane	4.891	49	121294	52.484	ug/l	95
29) Tetrahydrofuran	5.019	42	323936	241.432	ug/l	97
30) Chloroform	5.086	83	270231	51.326	ug/l	97
31) Cyclohexane	5.470	56	229694	50.671	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	235741	51.461	ug/l	98
36) 1,1-Dichloropropene	5.690	75	199113	52.029	ug/l	98
37) Ethyl Acetate	4.714	43	199219	49.909	ug/l	99
38) Carbon Tetrachloride	5.672	117	192694	53.153	ug/l	99
39) Methylcyclohexane	7.379	83	236729	52.550	ug/l	93
40) Benzene	6.037	78	545745	50.975	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	117740	49.679	ug/l	96
42) 1,2-Dichloroethane	6.086	62	238625	51.814	ug/l	96
43) Isopropyl Acetate	6.336	43	342654	49.228	ug/l	99
44) Trichloroethene	7.123	130	135552	49.934	ug/l	92
45) 1,2-Dichloropropane	7.427	63	146370	51.621	ug/l	99
46) Dibromomethane	7.580	93	100576	51.819	ug/l	94
47) Bromodichloromethane	7.818	83	198967	53.037	ug/l	99
48) Methyl methacrylate	7.690	41	172727	50.282	ug/l	96
49) 1,4-Dioxane	7.751	88	63451	904.546	ug/l #	76
51) 4-Methyl-2-Pentanone	8.574	43	1023963	255.350	ug/l	98
52) Toluene	8.714	92	344163	50.926	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	215753	52.936	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	230737	52.839	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	137127	51.661	ug/l	99
56) Ethyl methacrylate	9.116	69	218687	50.875	ug/l	95
57) 1,3-Dichloropropane	9.305	76	246344	51.196	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	469719	214.807	ug/l	99
59) 2-Hexanone	9.427	43	765405	253.451	ug/l	97
60) Dibromochloromethane	9.518	129	135979	53.743	ug/l	100
61) 1,2-Dibromoethane	9.610	107	142728	51.036	ug/l	100
64) Tetrachloroethene	9.275	164	113653	52.692	ug/l	97
65) Chlorobenzene	10.079	112	357834	51.166	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	129830	52.501	ug/l	99
67) Ethyl Benzene	10.189	91	685450	52.113	ug/l	96
68) m/p-Xylenes	10.299	106	501220	103.093	ug/l	95
69) o-Xylene	10.640	106	247474	51.296	ug/l	95
70) Styrene	10.652	104	407738	52.439	ug/l	98
71) Bromoform	10.799	173	83673	51.426	ug/l #	98
73) Isopropylbenzene	10.963	105	667597	53.021	ug/l	98
74) N-amyl acetate	10.841	43	286206	48.752	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	204524	50.073	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	178203m	48.757	ug/l	
77) Bromobenzene	11.195	156	144104	50.424	ug/l	93
78) n-propylbenzene	11.305	91	793730	53.627	ug/l	98
79) 2-Chlorotoluene	11.366	91	473280	51.073	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	558059	52.147	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	58025	51.165	ug/l	86
82) 4-Chlorotoluene	11.451	91	553422	51.857	ug/l	98
83) tert-Butylbenzene	11.713	119	535451	51.474	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	558641	51.989	ug/l	97
85) sec-Butylbenzene	11.890	105	690072	52.835	ug/l	98
86) p-Isopropyltoluene	12.006	119	578463	53.873	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	276277	50.889	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	279549	50.993	ug/l	98
89) n-Butylbenzene	12.329	91	534200	54.690	ug/l	97
90) Hexachloroethane	12.536	117	86331	53.046	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	268104	50.430	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	44533	48.963	ug/l	89
93) 1,2,4-Trichlorobenzene	13.585	180	166107	51.891	ug/l	99
94) Hexachlorobutadiene	13.725	225	64917	51.093	ug/l	99
95) Naphthalene	13.774	128	549511	50.127	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	156014	49.556	ug/l	99

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

