

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062923\
 Data File : VX036366.D
 Acq On : 29 Jun 2023 10:08
 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 06/30/2023
 Supervised By : Mahesh Dadoda 06/30/2023

Quant Time: Jun 30 01:25:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	222117	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	371382	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	337189	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	164072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	157778	49.555	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.120%		
35) Dibromofluoromethane	5.385	113	130970	53.484	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	106.960%		
50) Toluene-d8	8.647	98	469979	51.385	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	102.780%		
62) 4-Bromofluorobenzene	11.079	95	170651	52.971	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	103074	49.016	ug/l	99
3) Chloromethane	1.295	50	146157	40.066	ug/l	99
4) Vinyl Chloride	1.374	62	212107	53.185	ug/l	97
5) Bromomethane	1.618	94	164660	56.426	ug/l	100
6) Chloroethane	1.691	64	134557	45.959	ug/l	99
7) Trichlorofluoromethane	1.886	101	290749	47.953	ug/l	100
8) Diethyl Ether	2.130	74	107089	45.753	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.331	101	132361	52.015	ug/l	96
10) Methyl Iodide	2.453	142	158810	51.505	ug/l	93
11) Tert butyl alcohol	3.020	59	151897m	262.091	ug/l	
12) 1,1-Dichloroethene	2.319	96	124593	49.358	ug/l	92
13) Acrolein	2.240	56	185455	233.000	ug/l	98
14) Allyl chloride	2.666	41	211696	51.604	ug/l	96
15) Acrylonitrile	3.069	53	352808	240.166	ug/l	100
16) Acetone	2.398	43	323304	237.569	ug/l	95
17) Carbon Disulfide	2.514	76	279169	45.030	ug/l	98
18) Methyl Acetate	2.703	43	271960	48.597	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	431935	52.947	ug/l	99
20) Methylene Chloride	2.788	84	140763	48.039	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	130732	48.533	ug/l	93
22) Diisopropyl ether	3.758	45	437066	53.170	ug/l	87
23) Vinyl Acetate	3.721	43	1576988	264.356	ug/l	97
24) 1,1-Dichloroethane	3.611	63	249909	51.587	ug/l	99
25) 2-Butanone	4.562	43	477990	244.456	ug/l	95
26) 2,2-Dichloropropane	4.471	77	210973	61.404	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	158174	52.359	ug/l	93
28) Bromochloromethane	4.891	49	121403	48.320	ug/l	88
29) Tetrahydrofuran	5.007	42	297753	239.182	ug/l	95
30) Chloroform	5.093	83	258151	52.907	ug/l	97
31) Cyclohexane	5.471	56	201969	49.501	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	224439	55.067	ug/l	98
36) 1,1-Dichloropropene	5.690	75	187332	51.321	ug/l	98
37) Ethyl Acetate	4.709	43	190133	51.106	ug/l	98
38) Carbon Tetrachloride	5.678	117	193369	58.001	ug/l	100
39) Methylcyclohexane	7.379	83	221804	50.732	ug/l	94
40) Benzene	6.038	78	539989	52.956	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	107633	52.151	ug/l	94
42) 1,2-Dichloroethane	6.080	62	205549	52.998	ug/l	98
43) Isopropyl Acetate	6.336	43	317750	53.539	ug/l	97
44) Trichloroethene	7.123	130	150355	53.013	ug/l	98
45) 1,2-Dichloropropane	7.428	63	148453	53.456	ug/l	100
46) Dibromomethane	7.580	93	104118	53.261	ug/l	93
47) Bromodichloromethane	7.818	83	203299	57.508	ug/l	99
48) Methyl methacrylate	7.690	41	157047	53.071	ug/l	92
49) 1,4-Dioxane	7.732	88	70091	1068.434	ug/l #	91
51) 4-Methyl-2-Pentanone	8.574	43	977962	255.762	ug/l	99
52) Toluene	8.714	92	343829	53.207	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	222104	62.196	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	238053	58.971	ug/l	92
55) 1,1,2-Trichloroethane	9.147	97	145113	54.033	ug/l	94
56) Ethyl methacrylate	9.116	69	221584	55.161	ug/l	97
57) 1,3-Dichloropropane	9.305	76	247664	53.808	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	640270	283.614	ug/l	99
59) 2-Hexanone	9.427	43	723394	259.070	ug/l	97
60) Dibromochloromethane	9.519	129	155101	59.440	ug/l	99
61) 1,2-Dibromoethane	9.610	107	153377	53.814	ug/l	99
64) Tetrachloroethene	9.275	164	132480	55.644	ug/l	98
65) Chlorobenzene	10.080	112	384346	54.223	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	143775	60.009	ug/l	98
67) Ethyl Benzene	10.195	91	677769	53.785	ug/l	98
68) m/p-Xylenes	10.299	106	521653	106.550	ug/l	96
69) o-Xylene	10.640	106	257743	54.516	ug/l	96
70) Styrene	10.653	104	419961	54.251	ug/l	96
71) Bromoform	10.799	173	108221	62.975	ug/l #	100
73) Isopropylbenzene	10.964	105	662452	53.576	ug/l	98
74) N-amyl acetate	10.842	43	277101	56.658	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.214	83	216286	51.655	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	180552m	51.591	ug/l	
77) Bromobenzene	11.195	156	158233	52.045	ug/l	93
78) n-propylbenzene	11.305	91	767644	53.160	ug/l	99
79) 2-Chlorotoluene	11.360	91	448747	52.240	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	554504	52.955	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	65192	60.722	ug/l	90
82) 4-Chlorotoluene	11.451	91	526753	52.671	ug/l	95
83) tert-Butylbenzene	11.713	119	541515	53.961	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	551960	53.280	ug/l	96
85) sec-Butylbenzene	11.890	105	680179	53.502	ug/l	100
86) p-Isopropyltoluene	12.006	119	567804	53.218	ug/l	97
87) 1,3-Dichlorobenzene	11.970	146	302232	54.068	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	303523	53.325	ug/l	98
89) n-Butylbenzene	12.329	91	519156	54.675	ug/l	98
90) Hexachloroethane	12.536	117	94781	58.653	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	295899	53.760	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	44905	56.462	ug/l	82
93) 1,2,4-Trichlorobenzene	13.585	180	196581	57.985	ug/l	96
94) Hexachlorobutadiene	13.725	225	76101	54.809	ug/l	98
95) Naphthalene	13.774	128	632693	56.489	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	189841	57.405	ug/l	96

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

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