

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052523\
 Data File : VX035874.D
 Acq On : 25 May 2023 23:20
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/26/2023
 Supervised By : Mahesh Dadoda 05/26/2023

Quant Time: May 26 07:27:00 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	157217	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	272045	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	246249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	120777	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	124203	45.285	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 90.560%			
35) Dibromofluoromethane	5.385	113	97068	52.908	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.820%			
50) Toluene-d8	8.647	98	351964	51.930	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.860%			
62) 4-Bromofluorobenzene	11.079	95	136597	50.054	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.100%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	97312	47.494	ug/l	100
3) Chloromethane	1.294	50	103144	41.482	ug/l	98
4) Vinyl Chloride	1.374	62	103361	48.982	ug/l	98
5) Bromomethane	1.617	94	60495	52.933	ug/l	96
6) Chloroethane	1.691	64	69853	54.566	ug/l	98
7) Trichlorofluoromethane	1.886	101	159630	51.448	ug/l	99
8) Diethyl Ether	2.130	74	61798	51.729	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	93072	50.523	ug/l	98
10) Methyl Iodide	2.453	142	98949	60.057	ug/l	96
11) Tert butyl alcohol	3.026	59	106271m	219.619	ug/l	
12) 1,1-Dichloroethene	2.319	96	89159	50.924	ug/l	96
13) Acrolein	2.239	56	126887	220.936	ug/l	99
14) Allyl chloride	2.666	41	169054	45.071	ug/l	95
15) Acrylonitrile	3.068	53	296712	278.464	ug/l	99
16) Acetone	2.392	43	270527	229.492	ug/l	97
17) Carbon Disulfide	2.514	76	176298	41.723	ug/l	100
18) Methyl Acetate	2.703	43	248995	57.274	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	334699	48.040	ug/l	99
20) Methylene Chloride	2.788	84	108419	50.748	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	97039	50.581	ug/l	99
22) Diisopropyl ether	3.757	45	366477	49.902	ug/l	95
23) Vinyl Acetate	3.721	43	1269680	244.342	ug/l	98
24) 1,1-Dichloroethane	3.611	63	194195	49.443	ug/l	99
25) 2-Butanone	4.562	43	428021	262.294	ug/l	99
26) 2,2-Dichloropropane	4.471	77	126560	38.051	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	117559	50.974	ug/l	98
28) Bromochloromethane	4.891	49	85804	48.569	ug/l	98
29) Tetrahydrofuran	5.007	42	278187	271.225	ug/l	98
30) Chloroform	5.086	83	197682	49.117	ug/l	99
31) Cyclohexane	5.470	56	166624	48.085	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	165561	47.278	ug/l	99
36) 1,1-Dichloropropene	5.690	75	141533	48.873	ug/l	99
37) Ethyl Acetate	4.708	43	156883	51.938	ug/l	98
38) Carbon Tetrachloride	5.678	117	132335	48.239	ug/l	97
39) Methylcyclohexane	7.379	83	167221	49.054	ug/l	97
40) Benzene	6.037	78	421538	52.033	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	93046	51.882	ug/l	98
42) 1,2-Dichloroethane	6.086	62	163566	46.934	ug/l	100
43) Isopropyl Acetate	6.336	43	261673	49.680	ug/l	99
44) Trichloroethene	7.123	130	109692	53.399	ug/l	96
45) 1,2-Dichloropropane	7.427	63	112815	52.579	ug/l	97
46) Dibromomethane	7.580	93	76513	52.095	ug/l	98
47) Bromodichloromethane	7.824	83	142223	50.100	ug/l	96
48) Methyl methacrylate	7.690	41	129774	49.924	ug/l	99
49) 1,4-Dioxane	7.726	88	53133	1010.832	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	850647	280.329	ug/l	98
52) Toluene	8.714	92	266239	52.061	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	149015	48.316	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	167229	50.607	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	109838	54.684	ug/l	99
56) Ethyl methacrylate	9.116	69	168272	51.732	ug/l	98
57) 1,3-Dichloropropane	9.305	76	191874	52.696	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	430999	260.467	ug/l	100
59) 2-Hexanone	9.433	43	638877	279.567	ug/l	99
60) Dibromochloromethane	9.519	129	104058	54.349	ug/l	100
61) 1,2-Dibromoethane	9.610	107	115075	54.377	ug/l	100
64) Tetrachloroethene	9.275	164	90987	54.883	ug/l	98
65) Chlorobenzene	10.079	112	282696	52.591	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	98761	51.961	ug/l	99
67) Ethyl Benzene	10.195	91	515467	50.988	ug/l	99
68) m/p-Xylenes	10.299	106	391056	104.648	ug/l	100
69) o-Xylene	10.640	106	193633	52.219	ug/l	99
70) Styrene	10.652	104	321616	53.816	ug/l	99
71) Bromoform	10.799	173	66005	52.780	ug/l #	100
73) Isopropylbenzene	10.963	105	509175	50.030	ug/l	100
74) N-amyl acetate	10.841	43	225220	47.463	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	172298	52.189	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	141177m	47.788	ug/l	
77) Bromobenzene	11.195	156	120846	52.315	ug/l	99
78) n-propylbenzene	11.305	91	600284	50.176	ug/l	100
79) 2-Chlorotoluene	11.366	91	355920	47.518	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	426298	49.283	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	41514	45.289	ug/l	89
82) 4-Chlorotoluene	11.451	91	415183	48.131	ug/l	100
83) tert-Butylbenzene	11.713	119	417303	49.631	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	433375	49.897	ug/l	100
85) sec-Butylbenzene	11.890	105	535439	50.719	ug/l	99
86) p-Isopropyltoluene	12.006	119	447765	51.591	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	229068	52.201	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	232304	52.425	ug/l	100
89) n-Butylbenzene	12.329	91	393685	49.864	ug/l	98
90) Hexachloroethane	12.536	117	67569	51.365	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	224738	52.299	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	33018	44.912	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	135233	52.266	ug/l	99
94) Hexachlorobutadiene	13.725	225	52127	50.757	ug/l	98
95) Naphthalene	13.774	128	464220	52.391	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	131377	51.628	ug/l	98

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

