

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052223\
 Data File : VX035801.D
 Acq On : 22 May 2023 21:38
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: May 23 06:18:03 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	188249	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	329896	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	288132	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	133577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	126803	38.611	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	77.220%#		
35) Dibromofluoromethane	5.385	113	98048	44.070	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.140%		
50) Toluene-d8	8.647	98	358064	43.565	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	87.140%#		
62) 4-Bromofluorobenzene	11.079	95	134519	40.649	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	81.300%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	107928	43.992	ug/l	100
3) Chloromethane	1.295	50	117820	39.573	ug/l	99
4) Vinyl Chloride	1.374	62	116925	46.276	ug/l	100
5) Bromomethane	1.618	94	71298	52.102	ug/l	99
6) Chloroethane	1.691	64	72654	47.398	ug/l	96
7) Trichlorofluoromethane	1.886	101	189950	51.128	ug/l	99
8) Diethyl Ether	2.130	74	68242	47.706	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	105740	47.938	ug/l	99
10) Methyl Iodide	2.453	142	115911	58.755	ug/l	96
11) Tert butyl alcohol	3.093	59	117678	203.104	ug/l #	1
12) 1,1-Dichloroethene	2.319	96	102731	49.004	ug/l	95
13) Acrolein	2.246	56	151502	220.311	ug/l	100
14) Allyl chloride	2.666	41	192239	42.804	ug/l	96
15) Acrylonitrile	3.075	53	313162	245.453	ug/l	99
16) Acetone	2.410	43	270580	191.699	ug/l	98
17) Carbon Disulfide	2.514	76	210596	41.624	ug/l	100
18) Methyl Acetate	2.709	43	264439	50.800	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	382384	45.837	ug/l	98
20) Methylene Chloride	2.788	84	121018	47.308	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	111610	48.586	ug/l	97
22) Diisopropyl ether	3.758	45	415933	47.300	ug/l	96
23) Vinyl Acetate	3.721	43	1444427	232.149	ug/l	99
24) 1,1-Dichloroethane	3.611	63	221865	47.176	ug/l	98
25) 2-Butanone	4.574	43	441943	226.181	ug/l	100
26) 2,2-Dichloropropane	4.477	77	151997	38.166	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	135127	48.933	ug/l	98
28) Bromochloromethane	4.898	49	90405	42.738	ug/l	100
29) Tetrahydrofuran	5.019	42	288400	234.831	ug/l	99
30) Chloroform	5.093	83	224527	46.590	ug/l	99
31) Cyclohexane	5.471	56	190199	45.840	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	186156	44.396	ug/l	99
36) 1,1-Dichloropropene	5.696	75	163182	46.467	ug/l	99
37) Ethyl Acetate	4.721	43	175093	47.802	ug/l	99
38) Carbon Tetrachloride	5.678	117	149452	44.926	ug/l	98
39) Methylcyclohexane	7.379	83	195905	47.391	ug/l	97
40) Benzene	6.038	78	485368	49.405	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	103569	47.622	ug/l	97
42) 1,2-Dichloroethane	6.086	62	186184	44.056	ug/l	99
43) Isopropyl Acetate	6.342	43	300140	46.991	ug/l	99
44) Trichloroethene	7.123	130	123723	49.667	ug/l	95
45) 1,2-Dichloropropane	7.428	63	128845	49.519	ug/l	100
46) Dibromomethane	7.580	93	87267	48.998	ug/l	98
47) Bromodichloromethane	7.824	83	160719	46.687	ug/l	99
48) Methyl methacrylate	7.690	41	145767	46.243	ug/l	99
49) 1,4-Dioxane	7.751	88	59961	934.040	ug/l #	79
51) 4-Methyl-2-Pentanone	8.574	43	911998	247.843	ug/l	98
52) Toluene	8.720	92	306852	49.481	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	172657	46.164	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	192421	48.020	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	123903	50.869	ug/l	98
56) Ethyl methacrylate	9.116	69	191930	48.658	ug/l	99
57) 1,3-Dichloropropane	9.305	76	215689	48.848	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	500654	249.504	ug/l	100
59) 2-Hexanone	9.433	43	670838	242.075	ug/l	99
60) Dibromochloromethane	9.519	129	115626	49.801	ug/l	99
61) 1,2-Dibromoethane	9.610	107	129941	50.635	ug/l	98
64) Tetrachloroethene	9.275	164	103177	53.189	ug/l	98
65) Chlorobenzene	10.080	112	317716	50.514	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	113726	51.137	ug/l	99
67) Ethyl Benzene	10.195	91	587273	49.647	ug/l	100
68) m/p-Xylenes	10.299	106	440216	100.680	ug/l	100
69) o-Xylene	10.640	106	217235	50.068	ug/l	100
70) Styrene	10.653	104	357046	51.060	ug/l	99
71) Bromoform	10.799	173	70473	48.161	ug/l #	98
73) Isopropylbenzene	10.964	105	576700	51.235	ug/l	99
74) N-amyl acetate	10.842	43	253234	48.252	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	181084	49.594	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	149594m	45.785	ug/l	
77) Bromobenzene	11.195	156	130774	51.188	ug/l	99
78) n-propylbenzene	11.305	91	674589	50.984	ug/l	99
79) 2-Chlorotoluene	11.366	91	395181	47.704	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	468413	48.963	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	45647	45.026	ug/l	89
82) 4-Chlorotoluene	11.451	91	448149	46.974	ug/l	100
83) tert-Butylbenzene	11.713	119	458150	49.268	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	472441	49.183	ug/l	99
85) sec-Butylbenzene	11.890	105	586340	50.218	ug/l	100
86) p-Isopropyltoluene	12.006	119	478555	49.855	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	242384	49.943	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	244950	49.982	ug/l	100
89) n-Butylbenzene	12.329	91	428663	49.092	ug/l	98
90) Hexachloroethane	12.536	117	72276	49.678	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	234365	49.313	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	34890	42.911	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	142522	49.805	ug/l	98
94) Hexachlorobutadiene	13.725	225	54417	47.909	ug/l	99
95) Naphthalene	13.774	128	493696	50.378	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	141878	50.412	ug/l	99

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

