

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022123\
 Data File : VX034197.D
 Acq On : 21 Feb 2023 09:02
 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 02/21/2023
 Supervised By : Mahesh Dadoda 02/22/2023

Quant Time: Feb 21 15:52:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	387306	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	634524	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	579238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	285850	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	239607	45.936	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.880%		
35) Dibromofluoromethane	5.385	113	206123	49.892	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.780%		
50) Toluene-d8	8.647	98	782674	52.766	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	105.540%		
62) 4-Bromofluorobenzene	11.079	95	318453	56.128	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	112.260%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	165311	49.395	ug/l	98
3) Chloromethane	1.301	50	232234	48.220	ug/l	96
4) Vinyl Chloride	1.374	62	230749	52.609	ug/l	99
5) Bromomethane	1.599	94	96860	59.509	ug/l	100
6) Chloroethane	1.685	64	124722	56.563	ug/l	99
7) Trichlorofluoromethane	1.886	101	320519	54.014	ug/l	98
8) Diethyl Ether	2.130	74	118743	49.670	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	189904	45.443	ug/l	95
10) Methyl Iodide	2.453	142	211911	41.648	ug/l	93
11) Tert butyl alcohol	2.953	59	236130	202.400	ug/l #	84
12) 1,1-Dichloroethene	2.319	96	188294	44.948	ug/l	93
13) Acrolein	2.233	56	116966	219.633	ug/l	99
14) Allyl chloride	2.660	41	381547	42.937	ug/l	88
15) Acrylonitrile	3.063	53	576438	226.492	ug/l	99
16) Acetone	2.374	43	645765	239.997	ug/l	92
17) Carbon Disulfide	2.508	76	521611	43.308	ug/l	100
18) Methyl Acetate	2.703	43	374920	45.031	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	667996	45.180	ug/l	97
20) Methylene Chloride	2.788	84	210619	43.443	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	202585	46.151	ug/l	99
22) Diisopropyl ether	3.758	45	758826	48.709	ug/l	93
23) Vinyl Acetate	3.721	43	2952450	236.546	ug/l	100
24) 1,1-Dichloroethane	3.605	63	384768	44.989	ug/l	99
25) 2-Butanone	4.550	43	906301	232.788	ug/l	98
26) 2,2-Dichloropropane	4.471	77	335888	43.354	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	240993	46.362	ug/l	96
28) Bromochloromethane	4.891	49	193797	50.796	ug/l	88
29) Tetrahydrofuran	4.995	42	545921	229.857	ug/l	98
30) Chloroform	5.093	83	381074	46.403	ug/l	98
31) Cyclohexane	5.465	56	363325	46.654	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	333307	45.275	ug/l	99
36) 1,1-Dichloropropene	5.690	75	288984	47.298	ug/l	98
37) Ethyl Acetate	4.709	43	329297	48.225	ug/l	99
38) Carbon Tetrachloride	5.672	117	292751	46.563	ug/l	98
39) Methylcyclohexane	7.379	83	376286	47.857	ug/l	100
40) Benzene	6.038	78	868740	47.980	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	180218	47.370	ug/l	97
42) 1,2-Dichloroethane	6.086	62	293974	46.163	ug/l	100
43) Isopropyl Acetate	6.336	43	571707	47.445	ug/l	99
44) Trichloroethene	7.123	130	226606	48.769	ug/l	97
45) 1,2-Dichloropropane	7.428	63	233570	48.458	ug/l	98
46) Dibromomethane	7.580	93	150029	47.295	ug/l	89
47) Bromodichloromethane	7.818	83	308159	47.336	ug/l	98
48) Methyl methacrylate	7.690	41	270582	47.311	ug/l	99
49) 1,4-Dioxane	7.653	88	104126	912.772	ug/l #	99
51) 4-Methyl-2-Pentanone	8.568	43	1692794	255.341	ug/l	99
52) Toluene	8.714	92	552142	50.326	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	369993	49.375	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	383248	47.774	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	223037	50.365	ug/l	98
56) Ethyl methacrylate	9.110	69	376822	50.300	ug/l	97
57) 1,3-Dichloropropane	9.305	76	382359	49.626	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	826381	254.645	ug/l	95
59) 2-Hexanone	9.427	43	1328068	262.858	ug/l	98
60) Dibromochloromethane	9.519	129	248537	50.793	ug/l	100
61) 1,2-Dibromoethane	9.610	107	237493	50.709	ug/l	99
64) Tetrachloroethene	9.275	164	189638	46.387	ug/l	95
65) Chlorobenzene	10.080	112	587638	48.669	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	221474	47.382	ug/l	99
67) Ethyl Benzene	10.189	91	1068712	49.268	ug/l	98
68) m/p-Xylenes	10.299	106	828109	99.758	ug/l	96
69) o-Xylene	10.640	106	410176	49.633	ug/l	95
70) Styrene	10.653	104	684430	50.922	ug/l	96
71) Bromoform	10.799	173	188999	49.536	ug/l #	99
73) Isopropylbenzene	10.964	105	1058860	48.604	ug/l	100
74) N-amyl acetate	10.842	43	540066	49.345	ug/l	96
75) 1,1,1,2-Tetrachloroethane	11.214	83	354296	47.549	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	301824m	41.962	ug/l	
77) Bromobenzene	11.195	156	251129	47.901	ug/l	81
78) n-propylbenzene	11.305	91	1265209	49.936	ug/l	97
79) 2-Chlorotoluene	11.366	91	758679	48.834	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	893614	48.788	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	130436	46.585	ug/l	92
82) 4-Chlorotoluene	11.451	91	866497	48.968	ug/l	96
83) tert-Butylbenzene	11.713	119	895353	47.729	ug/l	93
84) 1,2,4-Trimethylbenzene	11.750	105	893223	48.232	ug/l	98
85) sec-Butylbenzene	11.890	105	1136086	49.871	ug/l	98
86) p-Isopropyltoluene	12.006	119	946167	50.186	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	484424	49.269	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	483004	48.704	ug/l	96
89) n-Butylbenzene	12.329	91	857514	51.068	ug/l	98
90) Hexachloroethane	12.536	117	193873	49.183	ug/l	79
91) 1,2-Dichlorobenzene	12.335	146	464288	48.263	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	79341	44.653	ug/l	78
93) 1,2,4-Trichlorobenzene	13.585	180	301028	48.741	ug/l	98
94) Hexachlorobutadiene	13.725	225	123930	48.404	ug/l	99
95) Naphthalene	13.774	128	991260	47.644	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	297730	48.557	ug/l	97

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

