

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050323\
 Data File : VX035496.D
 Acq On : 03 May 2023 09:37
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/03/2023
 Supervised By : Mahesh Dadoda 05/04/2023

Quant Time: May 03 15:16:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	203976	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	332406	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	300760	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	149453	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	145647	59.186	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery = 118.380%#			
35) Dibromofluoromethane	5.379	113	120286	58.958	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 117.920%			
50) Toluene-d8	8.647	98	417516	54.249	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 108.500%			
62) 4-Bromofluorobenzene	11.079	95	167978	58.019	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 116.040%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	98434	45.607	ug/l	99
3) Chloromethane	1.295	50	85464	43.528	ug/l	100
4) Vinyl Chloride	1.374	62	84502	42.911	ug/l	100
5) Bromomethane	1.618	94	57831	44.184	ug/l	98
6) Chloroethane	1.691	64	50641	43.970	ug/l	99
7) Trichlorofluoromethane	1.886	101	144398	46.890	ug/l	99
8) Diethyl Ether	2.130	74	58161	51.799	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.331	101	93139	45.283	ug/l	95
10) Methyl Iodide	2.453	142	117060	45.095	ug/l	96
11) Tert butyl alcohol	2.995	59	114759m	256.118	ug/l	
12) 1,1-Dichloroethene	2.319	96	91250	46.060	ug/l	98
13) Acrolein	2.240	56	152469	346.011	ug/l	99
14) Allyl chloride	2.660	41	169867	48.723	ug/l	98
15) Acrylonitrile	3.063	53	296751	264.797	ug/l	100
16) Acetone	2.392	43	309357	289.447	ug/l	97
17) Carbon Disulfide	2.514	76	207388	43.668	ug/l	99
18) Methyl Acetate	2.703	43	224298	54.270	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	390292	57.424	ug/l	98
20) Methylene Chloride	2.788	84	119946	48.944	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	104564	48.597	ug/l	92
22) Diisopropyl ether	3.758	45	360718	52.285	ug/l	88
23) Vinyl Acetate	3.715	43	1316354	277.581	ug/l	97
24) 1,1-Dichloroethane	3.605	63	202720	52.166	ug/l	99
25) 2-Butanone	4.556	43	415916	266.612	ug/l	93
26) 2,2-Dichloropropane	4.471	77	167568	55.040	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	132574	52.418	ug/l	94
28) Bromochloromethane	4.891	49	95340	57.570	ug/l #	81
29) Tetrahydrofuran	5.007	42	248383	248.374	ug/l	92
30) Chloroform	5.087	83	217689	55.490	ug/l	99
31) Cyclohexane	5.465	56	145026	41.545	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	181309	52.736	ug/l	97
36) 1,1-Dichloropropene	5.690	75	141041	44.273	ug/l	97
37) Ethyl Acetate	4.709	43	154415	53.071	ug/l	95
38) Carbon Tetrachloride	5.678	117	152894	50.557	ug/l	99
39) Methylcyclohexane	7.379	83	153337	39.543	ug/l	97
40) Benzene	6.032	78	452883	49.557	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	89617	53.753	ug/l	96
42) 1,2-Dichloroethane	6.086	62	175820	53.960	ug/l	97
43) Isopropyl Acetate	6.336	43	263135	53.822	ug/l #	94
44) Trichloroethene	7.123	130	125015	49.658	ug/l	99
45) 1,2-Dichloropropane	7.428	63	120438	52.274	ug/l	97
46) Dibromomethane	7.580	93	86025	54.372	ug/l	92
47) Bromodichloromethane	7.818	83	166921	57.262	ug/l	99
48) Methyl methacrylate	7.690	41	132777	55.365	ug/l	92
49) 1,4-Dioxane	7.708	88	52843	903.963	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	787198	262.080	ug/l	95
52) Toluene	8.714	92	291567	50.333	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	187086	61.455	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	204901	59.548	ug/l	90
55) 1,1,2-Trichloroethane	9.153	97	124777	54.033	ug/l	97
56) Ethyl methacrylate	9.116	69	195824	56.925	ug/l	89
57) 1,3-Dichloropropane	9.305	76	212220	53.729	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	539000	313.359	ug/l	93
59) 2-Hexanone	9.427	43	599576	265.712	ug/l	93
60) Dibromochloromethane	9.519	129	137821	62.291	ug/l	99
61) 1,2-Dibromoethane	9.610	107	132822	55.793	ug/l	99
64) Tetrachloroethene	9.275	164	104196	45.247	ug/l	95
65) Chlorobenzene	10.080	112	324813	49.917	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	128514	56.749	ug/l	98
67) Ethyl Benzene	10.195	91	558125	49.529	ug/l	98
68) m/p-Xylenes	10.299	106	426450	98.762	ug/l	100
69) o-Xylene	10.640	106	219214	51.772	ug/l	99
70) Styrene	10.653	104	369197	53.777	ug/l	97
71) Bromoform	10.799	173	100915	64.066	ug/l #	99
73) Isopropylbenzene	10.964	105	539096	49.346	ug/l	100
74) N-amyl acetate	10.842	43	227677	55.455	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.214	83	180977	53.371	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	153535m	51.500	ug/l	
77) Bromobenzene	11.195	156	147351	54.260	ug/l	90
78) n-propylbenzene	11.305	91	599245	47.760	ug/l	98
79) 2-Chlorotoluene	11.366	91	389090	49.626	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	468979	50.911	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	55773	60.591	ug/l	97
82) 4-Chlorotoluene	11.451	91	453037	51.446	ug/l	98
83) tert-Butylbenzene	11.713	119	454161	49.137	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	476846	51.519	ug/l	99
85) sec-Butylbenzene	11.890	105	513884	45.327	ug/l	99
86) p-Isopropyltoluene	12.006	119	461272	47.838	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	269461	52.212	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	271282	50.135	ug/l	99
89) n-Butylbenzene	12.335	91	367701	45.173	ug/l	98
90) Hexachloroethane	12.536	117	77133	52.257	ug/l	87
91) 1,2-Dichlorobenzene	12.335	146	262678	50.890	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	39370	57.902	ug/l	84
93) 1,2,4-Trichlorobenzene	13.591	180	162355	50.040	ug/l	98
94) Hexachlorobutadiene	13.725	225	62319	43.765	ug/l	98
95) Naphthalene	13.774	128	548859	54.950	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	159701	48.896	ug/l	99

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

