

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100323\
 Data File : VX038034.D
 Acq On : 03 Oct 2023 12:37
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/04/2023
 Supervised By : Semsettin Yesilyurt 10/04/2023

Quant Time: Oct 04 08:42:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100323W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 04 08:39:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	133938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	231016	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	229999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	129386	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	111913	53.701	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.400%			
35) Dibromofluoromethane	5.385	113	84890	53.563	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.120%			
50) Toluene-d8	8.647	98	331496	54.655	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 109.300%			
62) 4-Bromofluorobenzene	11.079	95	125070	56.659	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.320%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	69321	51.941	ug/l	95
3) Chloromethane	1.301	50	89278	50.812	ug/l	98
4) Vinyl Chloride	1.374	62	83193	52.462	ug/l	98
5) Bromomethane	1.593	94	92782	44.497	ug/l	97
6) Chloroethane	1.685	64	64390	54.089	ug/l	96
7) Trichlorofluoromethane	1.886	101	148967	47.624	ug/l	100
8) Diethyl Ether	2.136	74	55339	48.378	ug/l	82
9) 1,1,2-Trichlorotrifluo...	2.331	101	66518	48.843	ug/l	98
10) Methyl Iodide	2.453	142	77730	55.338	ug/l	94
11) Tert butyl alcohol	2.959	59	114094	243.724	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	66012	52.053	ug/l	89
13) Acrolein	2.233	56	63363	236.610	ug/l	99
14) Allyl chloride	2.666	41	115145	51.231	ug/l	92
15) Acrylonitrile	3.062	53	252052	259.053	ug/l	99
16) Acetone	2.380	43	217986	238.176	ug/l	95
17) Carbon Disulfide	2.514	76	182626	50.915	ug/l	100
18) Methyl Acetate	2.703	43	200650	50.995	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	255046	52.076	ug/l	100
20) Methylene Chloride	2.788	84	82460	50.196	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	78533	51.541	ug/l	93
22) Diisopropyl ether	3.764	45	246161	52.413	ug/l	88
23) Vinyl Acetate	3.721	43	931260	275.617	ug/l	98
24) 1,1-Dichloroethane	3.611	63	144779	50.788	ug/l	99
25) 2-Butanone	4.550	43	372391	258.073	ug/l	94
26) 2,2-Dichloropropane	4.477	77	115487	51.582	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	91479	51.493	ug/l	94
28) Bromochloromethane	4.897	49	72671	54.181	ug/l	93
29) Tetrahydrofuran	5.001	42	245735	264.054	ug/l	92
30) Chloroform	5.099	83	162143	52.215	ug/l	98
31) Cyclohexane	5.471	56	125801	51.622	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	140053	54.221	ug/l	100
36) 1,1-Dichloropropene	5.696	75	116426	49.848	ug/l	99
37) Ethyl Acetate	4.715	43	142268	54.235	ug/l	99
38) Carbon Tetrachloride	5.678	117	118463	52.122	ug/l	98
39) Methylcyclohexane	7.379	83	142065	51.464	ug/l	95
40) Benzene	6.038	78	340242	51.640	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	71638	54.544	ug/l #	89
42) 1,2-Dichloroethane	6.086	62	135749	52.537	ug/l	100
43) Isopropyl Acetate	6.342	43	220588	54.279	ug/l	98
44) Trichloroethene	7.129	130	86491	48.644	ug/l	99
45) 1,2-Dichloropropane	7.434	63	89111	53.127	ug/l	99
46) Dibromomethane	7.580	93	66436	51.146	ug/l	98
47) Bromodichloromethane	7.824	83	124270	54.952	ug/l	99
48) Methyl methacrylate	7.690	41	106890	54.704	ug/l	88
49) 1,4-Dioxane	7.659	88	47328	1080.546	ug/l #	88
51) 4-Methyl-2-Pentanone	8.574	43	763168	270.289	ug/l	98
52) Toluene	8.720	92	225194	52.807	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	138200	58.017	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	142088	56.056	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	92638	53.495	ug/l	93
56) Ethyl methacrylate	9.116	69	147652	56.730	ug/l	94
57) 1,3-Dichloropropane	9.311	76	155240	53.311	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	370605	278.604	ug/l	98
59) 2-Hexanone	9.433	43	621977	275.366	ug/l	97
60) Dibromochloromethane	9.525	129	98010	58.813	ug/l	99
61) 1,2-Dibromoethane	9.610	107	103692	55.229	ug/l	99
64) Tetrachloroethene	9.275	164	74098	48.420	ug/l	97
65) Chlorobenzene	10.079	112	237434	49.177	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	86007	53.421	ug/l	98
67) Ethyl Benzene	10.195	91	445005	51.237	ug/l	100
68) m/p-Xylenes	10.299	106	341267	102.602	ug/l	100
69) o-Xylene	10.640	106	165244	52.315	ug/l	97
70) Styrene	10.653	104	278718	53.423	ug/l	97
71) Bromoform	10.799	173	72280	59.056	ug/l #	99
73) Isopropylbenzene	10.963	105	443931	50.557	ug/l	99
74) N-amyl acetate	10.842	43	211096	53.418	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	166545	50.673	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	155105m	48.901	ug/l	
77) Bromobenzene	11.195	156	105782	49.136	ug/l	94
78) n-propylbenzene	11.305	91	543947	50.414	ug/l	99
79) 2-Chlorotoluene	11.366	91	310861	49.617	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	388239	51.950	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	50487	56.888	ug/l	94
82) 4-Chlorotoluene	11.451	91	376066	49.802	ug/l	98
83) tert-Butylbenzene	11.713	119	376091	50.621	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	390598	51.821	ug/l	99
85) sec-Butylbenzene	11.890	105	495479	51.423	ug/l	98
86) p-Isopropyltoluene	12.006	119	412005	52.215	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	210214	48.697	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	214137	48.263	ug/l	98
89) n-Butylbenzene	12.335	91	409526	52.003	ug/l	96
90) Hexachloroethane	12.536	117	70495	54.816	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	211197	51.411	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	43300	57.892	ug/l	92
93) 1,2,4-Trichlorobenzene	13.585	180	138777	48.700	ug/l	96
94) Hexachlorobutadiene	13.725	225	59783	49.165	ug/l	98
95) Naphthalene	13.774	128	491828	51.201	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	135396	49.131	ug/l	98

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

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Page: 4