

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020423\
 Data File : VX034012.D
 Acq On : 03 Feb 2023 15:55
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/06/2023
 Supervised By : Mahesh Dadoda 02/06/2023

Quant Time: Feb 03 22:20:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020423W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 03 22:11:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	153577	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	211878	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	185339	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98505	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	71579	45.038	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.080%		
35) Dibromofluoromethane	5.385	113	65829	49.752	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.500%		
50) Toluene-d8	8.647	98	237164	49.463	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.920%		
62) 4-Bromofluorobenzene	11.079	95	84539	47.925	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.860%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	66765	54.394	ug/l	97
3) Chloromethane	1.294	50	60832	46.545	ug/l	100
4) Vinyl Chloride	1.374	62	63846	50.566	ug/l	98
5) Bromomethane	1.611	94	31886	43.621	ug/l	99
6) Chloroethane	1.685	64	36034	45.890	ug/l	97
7) Trichlorofluoromethane	1.886	101	101801	48.812	ug/l	99
8) Diethyl Ether	2.130	74	34935	49.845	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.331	101	67945	48.718	ug/l	93
10) Methyl Iodide	2.453	142	98965	54.020	ug/l	93
11) Tert butyl alcohol	2.959	59	51479	192.934	ug/l #	84
12) 1,1-Dichloroethene	2.319	96	65026	49.520	ug/l	89
13) Acrolein	2.233	56	70871	258.980	ug/l	100
14) Allyl chloride	2.666	41	107537	44.975	ug/l	89
15) Acrylonitrile	3.056	53	171439	235.807	ug/l	99
16) Acetone	2.374	43	150533	207.048	ug/l	94
17) Carbon Disulfide	2.514	76	165320	48.329	ug/l	98
18) Methyl Acetate	2.697	43	102775	46.299	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	203350	47.504	ug/l	99
20) Methylene Chloride	2.788	84	70358	45.188	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	69778	48.071	ug/l	97
22) Diisopropyl ether	3.757	45	208987	45.112	ug/l	94
23) Vinyl Acetate	3.721	43	820785	235.035	ug/l	96
24) 1,1-Dichloroethane	3.611	63	120051	46.913	ug/l	100
25) 2-Butanone	4.550	43	226072	219.378	ug/l	96
26) 2,2-Dichloropropane	4.477	77	88986	48.371	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	80701	48.499	ug/l	97
28) Bromochloromethane	4.898	49	50804	43.955	ug/l	89
29) Tetrahydrofuran	5.001	42	147888	227.320	ug/l	96
30) Chloroform	5.093	83	124925	47.551	ug/l	99
31) Cyclohexane	5.471	56	112417	48.176	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	109187	48.629	ug/l	98
36) 1,1-Dichloropropene	5.690	75	95660	49.859	ug/l	99
37) Ethyl Acetate	4.709	43	90850	43.700	ug/l	99
38) Carbon Tetrachloride	5.678	117	102026	51.330	ug/l	97
39) Methylcyclohexane	7.379	83	121071	50.946	ug/l	95
40) Benzene	6.038	78	278208	49.845	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	50036	48.160	ug/l	94
42) 1,2-Dichloroethane	6.086	62	94344	48.013	ug/l	98
43) Isopropyl Acetate	6.336	43	144003	48.090	ug/l	97
44) Trichloroethene	7.123	130	84352	53.337	ug/l	96
45) 1,2-Dichloropropane	7.428	63	69000	49.503	ug/l	97
46) Dibromomethane	7.580	93	49004	50.075	ug/l	94
47) Bromodichloromethane	7.818	83	95316	50.757	ug/l	100
48) Methyl methacrylate	7.690	41	74386	49.425	ug/l	96
49) 1,4-Dioxane	7.665	88	27028	834.150	ug/l #	95
51) 4-Methyl-2-Pentanone	8.574	43	444610	242.862	ug/l	98
52) Toluene	8.720	92	179320	49.821	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	98485	52.490	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	111320	52.828	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	72060	50.368	ug/l	97
56) Ethyl methacrylate	9.116	69	105850	52.822	ug/l	96
57) 1,3-Dichloropropane	9.305	76	117751	51.085	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	237852	242.880	ug/l	96
59) 2-Hexanone	9.427	43	325346	255.513	ug/l	98
60) Dibromochloromethane	9.519	129	82295	55.359	ug/l	99
61) 1,2-Dibromoethane	9.610	107	77346	54.365	ug/l	98
64) Tetrachloroethene	9.275	164	78635	54.406	ug/l	97
65) Chlorobenzene	10.079	112	198576	51.452	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	76576	53.690	ug/l	99
67) Ethyl Benzene	10.195	91	338122	51.316	ug/l	100
68) m/p-Xylenes	10.299	106	270030	104.480	ug/l	98
69) o-Xylene	10.640	106	131063	51.342	ug/l	100
70) Styrene	10.653	104	217904	52.523	ug/l	100
71) Bromoform	10.799	173	64215	53.925	ug/l #	98
73) Isopropylbenzene	10.963	105	343219	47.673	ug/l	100
74) N-amyl acetate	10.842	43	119014	46.718	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	99662	46.172	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	81082m	44.790	ug/l	
77) Bromobenzene	11.195	156	94204	48.262	ug/l	96
78) n-propylbenzene	11.305	91	382217	47.667	ug/l	99
79) 2-Chlorotoluene	11.366	91	226032	46.325	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	287046	48.272	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	29427	50.445	ug/l	96
82) 4-Chlorotoluene	11.451	91	258861	46.734	ug/l	98
83) tert-Butylbenzene	11.713	119	290572	49.486	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	285153	50.892	ug/l	99
85) sec-Butylbenzene	11.890	105	357649	50.906	ug/l	100
86) p-Isopropyltoluene	12.006	119	311728	51.746	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	171694	51.377	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	170512	50.156	ug/l	99
89) n-Butylbenzene	12.329	91	248265	50.654	ug/l	99
90) Hexachloroethane	12.536	117	49301	50.194	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	168109	52.015	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	20763	51.553	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	121423	55.579	ug/l	100
94) Hexachlorobutadiene	13.725	225	56225	52.635	ug/l	100
95) Naphthalene	13.774	128	340741	54.362	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	119666	54.650	ug/l	99

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

