

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100322\
 Data File : VX031828.D
 Acq On : 03 Oct 2022 11:22
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/04/2022
 Supervised By : Mahesh Dadoda 10/06/2022

Quant Time: Oct 04 06:31:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100322W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 06:27:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	99382	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	143741	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	165086	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	130555	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84428	40.142	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	80.280%		
35) Dibromofluoromethane	5.385	113	84381	42.054	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	84.100%		
50) Toluene-d8	8.653	98	308185	43.624	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	87.240%		
62) 4-Bromofluorobenzene	11.079	95	112152	43.649	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.300%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	65486	47.237	ug/l	100
3) Chloromethane	1.288	50	60883	41.058	ug/l	98
4) Vinyl Chloride	1.373	62	80517	43.472	ug/l	99
5) Bromomethane	1.611	94	57597	37.478	ug/l	97
6) Chloroethane	1.690	64	77026	40.063	ug/l	98
7) Trichlorofluoromethane	1.885	101	156995	41.959	ug/l	99
8) Diethyl Ether	2.129	74	50413	39.319	ug/l	75
9) 1,1,2-Trichlorotrifluo...	2.330	101	68874	42.384	ug/l	89
10) Methyl Iodide	2.452	142	80635	46.175	ug/l	100
11) Tert butyl alcohol	3.013	59	58533m	208.117	ug/l	
12) 1,1-Dichloroethene	2.318	96	64609	42.015	ug/l	86
13) Acrolein	2.239	56	34998	201.464	ug/l	99
14) Allyl chloride	2.666	41	81359	41.003	ug/l #	93
15) Acrylonitrile	3.068	53	153486	206.511	ug/l	97
16) Acetone	2.391	43	112895	195.543	ug/l	91
17) Carbon Disulfide	2.507	76	172839	41.100	ug/l	99
18) Methyl Acetate	2.708	43	75331	39.324	ug/l #	84
19) Methyl tert-butyl Ether	3.117	73	216375	41.621	ug/l	94
20) Methylene Chloride	2.788	84	71190	40.169	ug/l #	81
21) trans-1,2-Dichloroethene	3.093	96	76824	41.952	ug/l	86
22) Diisopropyl ether	3.763	45	180026	42.347	ug/l #	88
23) Vinyl Acetate	3.720	43	690161	213.916	ug/l #	89
24) 1,1-Dichloroethane	3.611	63	116211	40.892	ug/l	95
25) 2-Butanone	4.568	43	189691	203.435	ug/l #	84
26) 2,2-Dichloropropane	4.476	77	101855	42.281	ug/l	91
27) cis-1,2-Dichloroethene	4.489	96	91371	42.592	ug/l	80
28) Bromochloromethane	4.897	49	49475	41.936	ug/l #	53
29) Tetrahydrofuran	5.007	42	121279	209.694	ug/l #	76
30) Chloroform	5.092	83	144812	42.376	ug/l	99
31) Cyclohexane	5.470	56	103262	45.240	ug/l	85
32) 1,1,1-Trichloroethane	5.385	97	136255	42.892	ug/l	95
36) 1,1-Dichloropropene	5.696	75	101868	44.349	ug/l	93
37) Ethyl Acetate	4.714	43	78514	43.582	ug/l #	94
38) Carbon Tetrachloride	5.677	117	130746	45.826	ug/l	96
39) Methylcyclohexane	7.378	83	130887	48.385	ug/l #	87
40) Benzene	6.037	78	298962	43.904	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.921	41	41445	42.316	ug/l #	87
42) 1,2-Dichloroethane	6.086	62	100775	42.059	ug/l	93
43) Isopropyl Acetate	6.342	43	125915	42.844	ug/l #	90
44) Trichloroethene	7.122	130	97423	44.475	ug/l	88
45) 1,2-Dichloropropane	7.433	63	68917	42.993	ug/l	94
46) Dibromomethane	7.580	93	58665	43.261	ug/l #	85
47) Bromodichloromethane	7.823	83	115966	43.142	ug/l	98
48) Methyl methacrylate	7.695	41	59241	45.020	ug/l #	83
49) 1,4-Dioxane	7.714	88	37586	892.933	ug/l #	82
51) 4-Methyl-2-Pentanone	8.573	43	401723	219.246	ug/l	89
52) Toluene	8.720	92	212546	44.640	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	117023	45.284	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	126562	44.763	ug/l #	85
55) 1,1,2-Trichloroethane	9.152	97	85429	44.168	ug/l	97
56) Ethyl methacrylate	9.116	69	106720	46.963	ug/l #	81
57) 1,3-Dichloropropane	9.311	76	131019	43.897	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	265511	228.208	ug/l #	83
59) 2-Hexanone	9.433	43	296652	222.584	ug/l	86
60) Dibromochloromethane	9.524	129	106577	44.918	ug/l	98
61) 1,2-Dibromoethane	9.610	107	96088	44.662	ug/l	99
64) Tetrachloroethene	9.274	164	101861	44.671	ug/l	96
65) Chlorobenzene	10.079	112	242679	43.420	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.164	131	95761	44.067	ug/l	98
67) Ethyl Benzene	10.195	91	406263	44.772	ug/l	95
68) m/p-Xylenes	10.305	106	347707	92.455	ug/l	90
69) o-Xylene	10.640	106	168041	46.097	ug/l	88
70) Styrene	10.658	104	277113	46.346	ug/l	94
71) Bromoform	10.798	173	83990	44.925	ug/l #	99
73) Isopropylbenzene	10.963	105	435045	43.037	ug/l	98
74) N-amyl acetate	10.841	43	104778	42.175	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	11.213	83	120967	41.052	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	105897m	42.345	ug/l	
77) Bromobenzene	11.201	156	117565	42.543	ug/l	82
78) n-propylbenzene	11.304	91	480019	43.619	ug/l	95
79) 2-Chlorotoluene	11.365	91	281167	41.791	ug/l	92
80) 1,3,5-Trimethylbenzene	11.451	105	370654	43.723	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	35401	42.785	ug/l	90
82) 4-Chlorotoluene	11.457	91	328200	42.205	ug/l	92
83) tert-Butylbenzene	11.713	119	381303	44.761	ug/l	93
84) 1,2,4-Trimethylbenzene	11.756	105	371772	43.859	ug/l	95
85) sec-Butylbenzene	11.890	105	453908	45.027	ug/l	97
86) p-Isopropyltoluene	12.012	119	406145	45.773	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	226673	44.101	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	228260	42.634	ug/l	97
89) n-Butylbenzene	12.335	91	312397	44.975	ug/l	96
90) Hexachloroethane	12.536	117	71513	44.428	ug/l	87
91) 1,2-Dichlorobenzene	12.335	146	225325	43.812	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.944	75	26090	41.916	ug/l	60
93) 1,2,4-Trichlorobenzene	13.591	180	145299	46.494	ug/l	98
94) Hexachlorobutadiene	13.725	225	57835	46.829	ug/l	98
95) Naphthalene	13.774	128	458565	46.301	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	142868	46.926	ug/l	98

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

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