

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090823\
 Data File : VX037599.D
 Acq On : 08 Sep 2023 12:19
 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 09/09/2023
 Supervised By : Mahesh Dadoda 09/11/2023

Quant Time: Sep 09 04:01:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090823W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 09 03:56:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	148559	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	255858	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	237968	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	123152	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	98461	49.099	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.200%		
35) Dibromofluoromethane	5.385	113	88833	49.639	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.280%		
50) Toluene-d8	8.653	98	325690	49.620	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.240%		
62) 4-Bromofluorobenzene	11.079	95	125327	50.663	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.320%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	79985	53.051	ug/l	98
3) Chloromethane	1.307	50	84028	49.785	ug/l	97
4) Vinyl Chloride	1.374	62	89267	51.341	ug/l	99
5) Bromomethane	1.599	94	38141	49.504	ug/l	100
6) Chloroethane	1.673	64	47006m	50.463	ug/l	
7) Trichlorofluoromethane	1.880	101	127921	54.134	ug/l	97
8) Diethyl Ether	2.136	74	51873	49.389	ug/l	75
9) 1,1,2-Trichlorotrifluo...	2.325	101	80194	50.739	ug/l	95
10) Methyl Iodide	2.447	142	106240	51.826	ug/l	91
11) Tert butyl alcohol	2.971	59	111486	248.444	ug/l #	92
12) 1,1-Dichloroethene	2.313	96	80145	50.237	ug/l	81
13) Acrolein	2.239	56	107849	244.457	ug/l	98
14) Allyl chloride	2.660	41	116433	52.047	ug/l #	86
15) Acrylonitrile	3.063	53	244415	249.828	ug/l	98
16) Acetone	2.386	43	192748	233.726	ug/l #	83
17) Carbon Disulfide	2.508	76	194618	48.709	ug/l	99
18) Methyl Acetate	2.703	43	164951	49.301	ug/l #	83
19) Methyl tert-butyl Ether	3.117	73	283947	50.203	ug/l	98
20) Methylene Chloride	2.788	84	96002	50.434	ug/l #	83
21) trans-1,2-Dichloroethene	3.087	96	89412	50.173	ug/l	86
22) Diisopropyl ether	3.764	45	238757	50.401	ug/l #	80
23) Vinyl Acetate	3.721	43	878616	259.810	ug/l #	88
24) 1,1-Dichloroethane	3.605	63	153613	49.761	ug/l	97
25) 2-Butanone	4.562	43	306729	245.244	ug/l #	83
26) 2,2-Dichloropropane	4.477	77	116068	51.002	ug/l	93
27) cis-1,2-Dichloroethene	4.489	96	105754	49.798	ug/l	85
28) Bromochloromethane	4.904	49	66953	49.687	ug/l #	68
29) Tetrahydrofuran	5.007	42	199503	248.990	ug/l #	79
30) Chloroform	5.093	83	167280	50.504	ug/l	96
31) Cyclohexane	5.471	56	124174	50.891	ug/l #	82
32) 1,1,1-Trichloroethane	5.385	97	146824	51.468	ug/l	95
36) 1,1-Dichloropropene	5.690	75	117448	49.678	ug/l	95
37) Ethyl Acetate	4.721	43	118824	49.019	ug/l #	91
38) Carbon Tetrachloride	5.678	117	128169	52.455	ug/l	97
39) Methylcyclohexane	7.379	83	148966	51.675	ug/l	88
40) Benzene	6.038	78	364579	50.118	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	63805	51.670	ug/l #	84
42) 1,2-Dichloroethane	6.086	62	121465	49.865	ug/l	90
43) Isopropyl Acetate	6.342	43	184841	50.911	ug/l #	87
44) Trichloroethene	7.129	130	97270	48.680	ug/l	96
45) 1,2-Dichloropropane	7.434	63	90589	50.850	ug/l	98
46) Dibromomethane	7.580	93	68072	50.914	ug/l	91
47) Bromodichloromethane	7.824	83	126566	51.805	ug/l	96
48) Methyl methacrylate	7.696	41	91430	52.616	ug/l #	78
49) 1,4-Dioxane	7.665	88	56657	1039.167	ug/l #	85
51) 4-Methyl-2-Pentanone	8.574	43	596943	258.522	ug/l #	86
52) Toluene	8.720	92	238712	50.523	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	135189	53.292	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	150512	53.327	ug/l #	81
55) 1,1,2-Trichloroethane	9.153	97	100324	51.069	ug/l	97
56) Ethyl methacrylate	9.116	69	152969	53.442	ug/l #	79
57) 1,3-Dichloropropane	9.311	76	162562	49.654	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	369627	255.233	ug/l	91
59) 2-Hexanone	9.433	43	463686	263.290	ug/l	83
60) Dibromochloromethane	9.525	129	104869	53.614	ug/l	100
61) 1,2-Dibromoethane	9.610	107	108851	51.743	ug/l	99
64) Tetrachloroethene	9.275	164	81204	48.730	ug/l	97
65) Chlorobenzene	10.080	112	259421	49.618	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	97503	52.621	ug/l	98
67) Ethyl Benzene	10.195	91	449266	50.552	ug/l	98
68) m/p-Xylenes	10.299	106	355849	101.787	ug/l	97
69) o-Xylene	10.640	106	178301	51.292	ug/l	97
70) Styrene	10.659	104	295699	52.321	ug/l	97
71) Bromoform	10.799	173	77846	52.445	ug/l #	100
73) Isopropylbenzene	10.964	105	457551	49.462	ug/l	98
74) N-amyl acetate	10.842	43	167006	52.375	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	11.213	83	159373	49.577	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	144591m	50.046	ug/l	
77) Bromobenzene	11.201	156	112496	49.131	ug/l	90
78) n-propylbenzene	11.305	91	518241	50.376	ug/l	98
79) 2-Chlorotoluene	11.366	91	322190	49.290	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	398400	50.776	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	46465	49.368	ug/l #	83
82) 4-Chlorotoluene	11.457	91	364065	49.396	ug/l	97
83) tert-Butylbenzene	11.713	119	402204	50.845	ug/l	94
84) 1,2,4-Trimethylbenzene	11.756	105	399736	50.957	ug/l	96
85) sec-Butylbenzene	11.890	105	487487	51.119	ug/l	99
86) p-Isopropyltoluene	12.012	119	417720	51.722	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	211901	48.639	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	210266	47.443	ug/l	98
89) n-Butylbenzene	12.335	91	342231	51.573	ug/l	98
90) Hexachloroethane	12.543	117	72984	53.181	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	213145	49.115	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	34584	50.529	ug/l	73
93) 1,2,4-Trichlorobenzene	13.591	180	126843	48.325	ug/l	99
94) Hexachlorobutadiene	13.725	225	58041	50.094	ug/l	99
95) Naphthalene	13.774	128	466400	50.867	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	130767	48.232	ug/l	98

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

