

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100722\
 Data File : VX031998.D
 Acq On : 08 Oct 2022 06:58
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Oct 10 04:52:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 14:28:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	57561	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	90981	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	96342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	65804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	65502	55.101	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.200%			
35) Dibromofluoromethane	5.385	113	55414	53.808	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.620%			
50) Toluene-d8	8.653	98	187704	50.652	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.300%			
62) 4-Bromofluorobenzene	11.079	95	67377	51.429	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.860%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	47479	55.425	ug/l	100
3) Chloromethane	1.288	50	46364	51.685	ug/l	96
4) Vinyl Chloride	1.374	62	53226	50.772	ug/l	99
5) Bromomethane	1.611	94	36448	53.906	ug/l	99
6) Chloroethane	1.685	64	54071	60.611	ug/l	99
7) Trichlorofluoromethane	1.886	101	91860	48.748	ug/l	99
8) Diethyl Ether	2.130	74	35504	55.274	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.325	101	43039	45.187	ug/l	90
10) Methyl Iodide	2.453	142	45553	47.168	ug/l	99
11) Tert butyl alcohol	3.001	59	50886	344.054	ug/l #	84
12) 1,1-Dichloroethene	2.319	96	44460	50.709	ug/l	92
13) Acrolein	2.239	56	29305	349.892	ug/l	100
14) Allyl chloride	2.666	41	66842	53.579	ug/l	97
15) Acrylonitrile	3.068	53	136379	289.253	ug/l	98
16) Acetone	2.392	43	111815	276.761	ug/l	94
17) Carbon Disulfide	2.508	76	91183	48.430	ug/l	98
18) Methyl Acetate	2.703	43	79046	59.297	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	171434	58.267	ug/l	100
20) Methylene Chloride	2.788	84	55215	52.007	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	50598	52.112	ug/l	90
22) Diisopropyl ether	3.764	45	166522	59.376	ug/l	94
23) Vinyl Acetate	3.721	43	654558	312.235	ug/l	99
24) 1,1-Dichloroethane	3.611	63	92776	55.186	ug/l	100
25) 2-Butanone	4.562	43	180983	286.563	ug/l	96
26) 2,2-Dichloropropane	4.477	77	43792	36.265	ug/l	92
27) cis-1,2-Dichloroethene	4.489	96	61012	52.516	ug/l	87
28) Bromochloromethane	4.904	49	41129	57.156	ug/l	86
29) Tetrahydrofuran	5.013	42	119275	292.699	ug/l	95
30) Chloroform	5.099	83	103774	55.417	ug/l	98
31) Cyclohexane	5.471	56	66204	46.619	ug/l	92
32) 1,1,1-Trichloroethane	5.379	97	85520	53.742	ug/l	99
36) 1,1-Dichloropropene	5.690	75	66175	48.457	ug/l	98
37) Ethyl Acetate	4.715	43	76149	59.228	ug/l	100
38) Carbon Tetrachloride	5.678	117	72165	51.681	ug/l	96
39) Methylcyclohexane	7.379	83	70788	43.457	ug/l	96
40) Benzene	6.037	78	212628	53.172	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	40658	60.814	ug/l	97
42) 1,2-Dichloroethane	6.086	62	82530	56.636	ug/l	98
43) Isopropyl Acetate	6.342	43	119862	61.446	ug/l	98
44) Trichloroethene	7.129	130	58898	50.231	ug/l	90
45) 1,2-Dichloropropane	7.434	63	55181	56.150	ug/l	93
46) Dibromomethane	7.580	93	42604	55.939	ug/l	94
47) Bromodichloromethane	7.824	83	78353	59.553	ug/l	99
48) Methyl methacrylate	7.696	41	58418	62.672	ug/l	95
49) 1,4-Dioxane	7.702	88	25833	1241.826	ug/l	94
51) 4-Methyl-2-Pentanone	8.574	43	392131	303.344	ug/l	99
52) Toluene	8.720	92	133864	51.199	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	71938	50.773	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	81348	57.092	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	59876	54.259	ug/l	98
56) Ethyl methacrylate	9.116	69	84858	59.990	ug/l	96
57) 1,3-Dichloropropane	9.311	76	98066	55.301	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	215707	295.414	ug/l	95
59) 2-Hexanone	9.433	43	291833	306.177	ug/l	98
60) Dibromochloromethane	9.525	129	60481	59.887	ug/l	100
61) 1,2-Dibromoethane	9.610	107	63562	57.276	ug/l	100
64) Tetrachloroethene	9.275	164	56712	52.140	ug/l	97
65) Chlorobenzene	10.079	112	144324	49.440	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	55377	54.824	ug/l	98
67) Ethyl Benzene	10.195	91	248507	50.321	ug/l	100
68) m/p-Xylenes	10.305	106	192152	97.913	ug/l	99
69) o-Xylene	10.640	106	94644	49.617	ug/l	98
70) Styrene	10.659	104	161136	52.843	ug/l	99
71) Bromoform	10.799	173	40314	60.966	ug/l #	98
73) Isopropylbenzene	10.963	105	246280	49.622	ug/l	98
74) N-amyl acetate	10.841	43	106733	70.423	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	86652	54.951	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	77637m	57.566	ug/l	
77) Bromobenzene	11.201	156	61993	50.708	ug/l	97
78) n-propylbenzene	11.305	91	277308	49.124	ug/l	99
79) 2-Chlorotoluene	11.366	91	168844	49.702	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	209495	50.894	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	18613	49.048	ug/l #	86
82) 4-Chlorotoluene	11.457	91	197309	50.714	ug/l	99
83) tert-Butylbenzene	11.713	119	200011	49.095	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	207091	49.524	ug/l	100
85) sec-Butylbenzene	11.890	105	247564	49.083	ug/l	99
86) p-Isopropyltoluene	12.012	119	211493	49.803	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	114415	49.152	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	118282	49.367	ug/l	98
89) n-Butylbenzene	12.335	91	175301	49.294	ug/l	98
90) Hexachloroethane	12.542	117	32646	48.387	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	119668	51.707	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	18556	64.286	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	71673	51.025	ug/l	98
94) Hexachlorobutadiene	13.725	225	25618	45.092	ug/l	99
95) Naphthalene	13.774	128	269997	56.094	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	73820	51.810	ug/l	99

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

