

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090722\
 Data File : VX031185.D
 Acq On : 08 Sep 2022 02:35
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/08/2022
 Supervised By : Mahesh Dadoda 09/08/2022

Quant Time: Sep 08 04:42:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 07 23:22:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	42937	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	73464	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	80826	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	51651	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	60902	59.910	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.820%			
35) Dibromofluoromethane	5.385	113	42700	53.338	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.680%			
50) Toluene-d8	8.647	98	155374	53.419	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.840%			
62) 4-Bromofluorobenzene	11.079	95	59556	55.873	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.740%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	38354	55.584	ug/l	99
3) Chloromethane	1.288	50	27473	51.813	ug/l	97
4) Vinyl Chloride	1.374	62	34388	54.940	ug/l	96
5) Bromomethane	1.611	94	20071	50.188	ug/l	95
6) Chloroethane	1.685	64	20817	59.287	ug/l	99
7) Trichlorofluoromethane	1.886	101	82443	60.447	ug/l	96
8) Diethyl Ether	2.136	74	22201	57.308	ug/l	80
9) 1,1,2-Trichlorotrifluo...	2.331	101	42039	54.505	ug/l	96
10) Methyl Iodide	2.453	142	41723	43.748	ug/l	# 81
11) Tert butyl alcohol	3.002	59	60719	343.788	ug/l	97
12) 1,1-Dichloroethene	2.319	96	39697	54.759	ug/l	89
13) Acrolein	2.239	56	43923	311.111	ug/l	100
14) Allyl chloride	2.666	41	51642	53.028	ug/l	# 74
15) Acrylonitrile	3.069	53	111332	287.621	ug/l	96
16) Acetone	2.392	43	108120	307.176	ug/l	91
17) Carbon Disulfide	2.514	76	101386	56.885	ug/l	# 95
18) Methyl Acetate	2.709	43	51810	56.859	ug/l	# 90
19) Methyl tert-butyl Ether	3.117	73	152115	59.078	ug/l	91
20) Methylene Chloride	2.788	84	43677	52.797	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	42267	52.621	ug/l	97
22) Diisopropyl ether	3.757	45	113619	55.561	ug/l	# 86
23) Vinyl Acetate	3.721	43	500886	291.811	ug/l	# 92
24) 1,1-Dichloroethane	3.605	63	79724	58.776	ug/l	98
25) 2-Butanone	4.568	43	148547	284.919	ug/l	# 87
26) 2,2-Dichloropropane	4.477	77	56073	46.197	ug/l	93
27) cis-1,2-Dichloroethene	4.495	96	51040	55.346	ug/l	99
28) Bromochloromethane	4.904	49	25850	52.557	ug/l	# 80
29) Tetrahydrofuran	5.007	42	89194	289.767	ug/l	# 82
30) Chloroform	5.099	83	94324	58.788	ug/l	98
31) Cyclohexane	5.477	56	62102	54.669	ug/l	91
32) 1,1,1-Trichloroethane	5.385	97	89547	61.923	ug/l	97
36) 1,1-Dichloropropene	5.696	75	65422	54.569	ug/l	95
37) Ethyl Acetate	4.721	43	57170	53.753	ug/l	98
38) Carbon Tetrachloride	5.678	117	76428	60.590	ug/l	95
39) Methylcyclohexane	7.385	83	71780	52.422	ug/l	97
40) Benzene	6.044	78	173351	53.226	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	29785	53.557	ug/l #	84
42) 1,2-Dichloroethane	6.086	62	81663	61.243	ug/l	93
43) Isopropyl Acetate	6.342	43	92055	54.896	ug/l #	95
44) Trichloroethene	7.129	130	46764	51.081	ug/l	98
45) 1,2-Dichloropropane	7.434	63	42199	52.723	ug/l	97
46) Dibromomethane	7.580	93	35515	55.957	ug/l	95
47) Bromodichloromethane	7.824	83	73040	59.161	ug/l	91
48) Methyl methacrylate	7.696	41	44011	53.897	ug/l #	83
49) 1,4-Dioxane	7.708	88	24417	1083.166	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	291303	283.689	ug/l	91
52) Toluene	8.720	92	116321	54.150	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	74944	58.270	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	76619	55.489	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	49077	55.569	ug/l	96
56) Ethyl methacrylate	9.116	69	76416	58.729	ug/l	92
57) 1,3-Dichloropropane	9.311	76	83497	54.716	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	159124	259.483	ug/l	92
59) 2-Hexanone	9.433	43	219172	282.248	ug/l	93
60) Dibromochloromethane	9.525	129	55123	60.540	ug/l	99
61) 1,2-Dibromoethane	9.610	107	52664	53.660	ug/l	99
64) Tetrachloroethene	9.275	164	43601	51.819	ug/l	94
65) Chlorobenzene	10.079	112	122486	51.470	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	49849	53.629	ug/l	97
67) Ethyl Benzene	10.195	91	231837	53.759	ug/l	96
68) m/p-Xylenes	10.305	106	167883	105.017	ug/l	84
69) o-Xylene	10.640	106	80931	50.725	ug/l	79
70) Styrene	10.659	104	138035	53.951	ug/l #	92
71) Bromoform	10.799	173	35828	57.851	ug/l #	100
73) Isopropylbenzene	10.963	105	225952	50.378	ug/l	95
74) N-amyl acetate	10.842	43	74990	52.516	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.213	83	68681	49.054	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	68831m	48.829	ug/l	
77) Bromobenzene	11.201	156	48102	49.345	ug/l	90
78) n-propylbenzene	11.305	91	264125	51.662	ug/l	97
79) 2-Chlorotoluene	11.366	91	161809	51.085	ug/l	93
80) 1,3,5-Trimethylbenzene	11.451	105	195853	51.941	ug/l	93
81) trans-1,4-Dichloro-2-b...	11.018	75	21537	49.271	ug/l	88
82) 4-Chlorotoluene	11.457	91	190877	52.086	ug/l	92
83) tert-Butylbenzene	11.713	119	189692	51.032	ug/l	90
84) 1,2,4-Trimethylbenzene	11.756	105	198338	54.106	ug/l	92
85) sec-Butylbenzene	11.890	105	238575	51.823	ug/l	97
86) p-Isopropyltoluene	12.012	119	198467	53.364	ug/l	93
87) 1,3-Dichlorobenzene	11.969	146	93899	51.829	ug/l	95
88) 1,4-Dichlorobenzene	12.043	146	96149	51.606	ug/l	97
89) n-Butylbenzene	12.335	91	174753	54.498	ug/l	98
90) Hexachloroethane	12.542	117	36286	56.784	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	92461	52.041	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	19891	51.728	ug/l	84
93) 1,2,4-Trichlorobenzene	13.591	180	56358	54.244	ug/l	98
94) Hexachlorobutadiene	13.725	225	23771	53.879	ug/l	96
95) Naphthalene	13.774	128	222545	54.679	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	58507	55.311	ug/l	97

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

