

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040722\
 Data File : VX028009.D
 Acq On : 07 Apr 2022 14:08
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/08/2022
 Supervised By : Mahesh Dadoda 04/08/2022

Quant Time: Apr 07 15:26:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 07 15:23:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	79908	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	129548	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	120001	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	60376	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	57819	54.701	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 109.400%			
35) Dibromofluoromethane	5.391	113	42614	48.007	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 96.020%			
50) Toluene-d8	8.653	98	152079	47.154	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 94.300%			
62) 4-Bromofluorobenzene	11.079	95	63063	49.321	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 98.640%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	53740	57.630	ug/l	100
3) Chloromethane	1.288	50	42293	53.438	ug/l	99
4) Vinyl Chloride	1.374	62	43558	51.774	ug/l	100
5) Bromomethane	1.599	94	20244	58.771	ug/l	99
6) Chloroethane	1.679	64	25110	49.534	ug/l	97
7) Trichlorofluoromethane	1.886	101	71009	53.084	ug/l	99
8) Diethyl Ether	2.136	74	23078	51.303	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.331	101	41818	51.782	ug/l	97
10) Methyl Iodide	2.453	142	51212	52.494	ug/l	# 88
11) Tert butyl alcohol	2.959	59	51031	270.411	ug/l	99
12) 1,1-Dichloroethene	2.319	96	39087	51.138	ug/l	97
13) Acrolein	2.233	56	47883	274.629	ug/l	98
14) Allyl chloride	2.666	41	70188	58.586	ug/l	# 88
15) Acrylonitrile	3.062	53	121405	270.005	ug/l	98
16) Acetone	2.373	43	112125	286.802	ug/l	88
17) Carbon Disulfide	2.514	76	97675	47.904	ug/l	100
18) Methyl Acetate	2.703	43	57534	57.108	ug/l	# 89
19) Methyl tert-butyl Ether	3.111	73	139523	54.610	ug/l	99
20) Methylene Chloride	2.788	84	42724	50.312	ug/l	89
21) trans-1,2-Dichloroethene	3.093	96	41460	49.087	ug/l	95
22) Diisopropyl ether	3.764	45	135909	57.136	ug/l	91
23) Vinyl Acetate	3.721	43	613424	296.341	ug/l	# 92
24) 1,1-Dichloroethane	3.611	63	77046	53.956	ug/l	98
25) 2-Butanone	4.556	43	181110	285.598	ug/l	90
26) 2,2-Dichloropropane	4.477	77	63111	56.619	ug/l	96
27) cis-1,2-Dichloroethene	4.495	96	47885	49.324	ug/l	94
28) Bromochloromethane	4.897	49	32794	57.533	ug/l	92
29) Tetrahydrofuran	5.001	42	116277	285.275	ug/l	88
30) Chloroform	5.099	83	84507	53.816	ug/l	96
31) Cyclohexane	5.471	56	71215	53.371	ug/l	90
32) 1,1,1-Trichloroethane	5.385	97	76309	54.153	ug/l	98
36) 1,1-Dichloropropene	5.696	75	61731	52.519	ug/l	97
37) Ethyl Acetate	4.715	43	69370	56.929	ug/l	96
38) Carbon Tetrachloride	5.678	117	68372	52.508	ug/l	95
39) Methylcyclohexane	7.379	83	71172	49.009	ug/l	90
40) Benzene	6.044	78	171296	51.203	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	37880	58.758	ug/l #	87
42) 1,2-Dichloroethane	6.086	62	71905	57.309	ug/l	93
43) Isopropyl Acetate	6.342	43	108331	57.181	ug/l	92
44) Trichloroethene	7.129	130	47227	47.780	ug/l	91
45) 1,2-Dichloropropane	7.434	63	43574	53.455	ug/l	96
46) Dibromomethane	7.586	93	33633	51.003	ug/l	91
47) Bromodichloromethane	7.824	83	63977	52.549	ug/l	99
48) Methyl methacrylate	7.696	41	56079	61.241	ug/l #	81
49) 1,4-Dioxane	7.659	88	22254	951.415	ug/l #	92
51) 4-Methyl-2-Pentanone	8.574	43	359457	289.970	ug/l	90
52) Toluene	8.720	92	108468	49.064	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	66533	53.969	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	71679	53.212	ug/l #	81
55) 1,1,2-Trichloroethane	9.153	97	44771	49.344	ug/l	95
56) Ethyl methacrylate	9.116	69	72372	53.811	ug/l #	76
57) 1,3-Dichloropropane	9.311	76	75008	51.563	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	177159	268.965	ug/l	98
59) 2-Hexanone	9.433	43	283575	295.461	ug/l	85
60) Dibromochloromethane	9.525	129	48056	49.226	ug/l	95
61) 1,2-Dibromoethane	9.610	107	49436	51.317	ug/l	100
64) Tetrachloroethene	9.275	164	43432	46.171	ug/l	96
65) Chlorobenzene	10.079	112	118784	47.215	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	45035	48.476	ug/l	96
67) Ethyl Benzene	10.195	91	221490	50.550	ug/l	97
68) m/p-Xylenes	10.305	106	165112	96.790	ug/l	89
69) o-Xylene	10.646	106	79608	48.193	ug/l	88
70) Styrene	10.659	104	137798	49.982	ug/l	94
71) Bromoform	10.799	173	33978	45.750	ug/l #	98
73) Isopropylbenzene	10.963	105	219013	51.430	ug/l	98
74) N-amyl acetate	10.842	43	92928	60.650	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	11.213	83	71283	50.785	ug/l	98
76) 1,2,3-Trichloropropane	11.244	75	67640m	53.583	ug/l	
77) Bromobenzene	11.201	156	50791	46.234	ug/l	90
78) n-propylbenzene	11.305	91	259166	53.222	ug/l	99
79) 2-Chlorotoluene	11.366	91	160052	52.060	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	191209	52.222	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	20551	51.796	ug/l #	79
82) 4-Chlorotoluene	11.457	91	184699	52.724	ug/l	97
83) tert-Butylbenzene	11.719	119	179536	49.085	ug/l	88
84) 1,2,4-Trimethylbenzene	11.756	105	191031	51.598	ug/l	96
85) sec-Butylbenzene	11.890	105	226268	50.454	ug/l	98
86) p-Isopropyltoluene	12.012	119	191904	50.555	ug/l	95
87) 1,3-Dichlorobenzene	11.969	146	98231	47.696	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	98699	47.553	ug/l	97
89) n-Butylbenzene	12.335	91	169730	52.462	ug/l	96
90) Hexachloroethane	12.542	117	29241	48.637	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	96133	47.942	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	18066	54.303	ug/l	81
93) 1,2,4-Trichlorobenzene	13.591	180	58464	45.622	ug/l	97
94) Hexachlorobutadiene	13.725	225	26586	43.317	ug/l	94
95) Naphthalene	13.780	128	207545	49.313	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	58109	46.302	ug/l	94

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

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