

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062722\
 Data File : VX029814.D
 Acq On : 27 Jun 2022 12:58
 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 06/28/2022
 Supervised By : Mahesh Dadoda 06/28/2022

Quant Time: Jun 27 13:35:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062722W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 27 13:34:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	268659	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	531682	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	475995	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	207693	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	202774	55.480	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.960%			
35) Dibromofluoromethane	5.391	113	169061	49.261	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.520%			
50) Toluene-d8	8.653	98	668680	52.762	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.520%			
62) 4-Bromofluorobenzene	11.079	95	247654	52.188	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.380%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	183636	55.890	ug/l	97
3) Chloromethane	1.288	50	190361	53.255	ug/l	99
4) Vinyl Chloride	1.374	62	204524	60.896	ug/l	99
5) Bromomethane	1.611	94	40103	26.664	ug/l	94
6) Chloroethane	1.685	64	109000	57.562	ug/l	98
7) Trichlorofluoromethane	1.886	101	226926	50.614	ug/l	96
8) Diethyl Ether	2.136	74	103494	57.036	ug/l	79
9) 1,1,2-Trichlorotrifluo...	2.331	101	156102	54.435	ug/l	93
10) Methyl Iodide	2.453	142	197789	67.622	ug/l	96
11) Tert butyl alcohol	2.983	59	257478	273.278	ug/l	97
12) 1,1-Dichloroethene	2.319	96	164024	58.405	ug/l	97
13) Acrolein	2.239	56	170419	577.034	ug/l	96
14) Allyl chloride	2.666	41	308801	66.068	ug/l	92
15) Acrylonitrile	3.068	53	614461	343.547	ug/l	99
16) Acetone	2.386	43	473919	313.870	ug/l	96
17) Carbon Disulfide	2.514	76	441306	60.196	ug/l	99
18) Methyl Acetate	2.709	43	279492	68.882	ug/l	93
19) Methyl tert-butyl Ether	3.117	73	563646	57.960	ug/l	97
20) Methylene Chloride	2.788	84	196528	59.628	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	178088	58.191	ug/l	97
22) Diisopropyl ether	3.763	45	613907	66.267	ug/l	88
23) Vinyl Acetate	3.721	43	2708092	347.824	ug/l	# 92
24) 1,1-Dichloroethane	3.611	63	333645	61.112	ug/l	98
25) 2-Butanone	4.556	43	839054	346.484	ug/l	92
26) 2,2-Dichloropropane	4.477	77	235523	56.805	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	210649	58.698	ug/l	99
28) Bromochloromethane	4.903	49	120424	58.235	ug/l	86
29) Tetrahydrofuran	5.013	42	570352	352.422	ug/l	88
30) Chloroform	5.099	83	321838	56.811	ug/l	99
31) Cyclohexane	5.477	56	324428	63.586	ug/l	90
32) 1,1,1-Trichloroethane	5.397	97	257857	52.573	ug/l	96
36) 1,1-Dichloropropene	5.696	75	251339	53.177	ug/l	99
37) Ethyl Acetate	4.715	43	317145	63.251	ug/l	98
38) Carbon Tetrachloride	5.678	117	209033	46.442	ug/l	99
39) Methylcyclohexane	7.385	83	318373	54.077	ug/l	93
40) Benzene	6.044	78	789397	55.771	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	173761	65.429	ug/l	92
42) 1,2-Dichloroethane	6.086	62	251493	52.213	ug/l	98
43) Isopropyl Acetate	6.348	43	480185	61.895	ug/l	97
44) Trichloroethene	7.129	130	182749	38.772	ug/l	90
45) 1,2-Dichloropropane	7.434	63	200031	57.138	ug/l	98
46) Dibromomethane	7.586	93	129672	52.755	ug/l #	87
47) Bromodichloromethane	7.824	83	241041	51.298	ug/l	99
48) Methyl methacrylate	7.696	41	233396	61.458	ug/l	90
49) 1,4-Dioxane	7.683	88	107542	1114.684	ug/l	96
51) 4-Methyl-2-Pentanone	8.580	43	1560849	310.780	ug/l	94
52) Toluene	8.720	92	468567	52.624	ug/l	96
53) t-1,3-Dichloropropene	8.982	75	270974	56.604	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	310891	57.532	ug/l #	91
55) 1,1,2-Trichloroethane	9.153	97	192746	53.298	ug/l	95
56) Ethyl methacrylate	9.122	69	327211	59.016	ug/l	89
57) 1,3-Dichloropropane	9.311	76	335636	55.128	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	774388	295.865	ug/l	93
59) 2-Hexanone	9.433	43	1233749	322.307	ug/l	92
60) Dibromochloromethane	9.525	129	170960	49.777	ug/l	98
61) 1,2-Dibromoethane	9.616	107	201422	53.840	ug/l	98
64) Tetrachloroethene	9.281	164	135892	41.001	ug/l	95
65) Chlorobenzene	10.079	112	477810	51.244	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	159831	48.499	ug/l	96
67) Ethyl Benzene	10.195	91	904411	53.470	ug/l	99
68) m/p-Xylenes	10.305	106	675303	103.060	ug/l	98
69) o-Xylene	10.646	106	327558	50.740	ug/l	95
70) Styrene	10.659	104	546912	51.892	ug/l	98
71) Bromoform	10.805	173	111569	48.219	ug/l #	99
73) Isopropylbenzene	10.963	105	861012	54.407	ug/l	98
74) N-amyl acetate	10.848	43	417402	71.358	ug/l	90
75) 1,1,2,2-Tetrachloroethane	11.213	83	325036	61.501	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	290313m	61.521	ug/l	
77) Bromobenzene	11.201	156	181837	51.039	ug/l	80
78) n-propylbenzene	11.305	91	1071784	59.172	ug/l	97
79) 2-Chlorotoluene	11.366	91	616367	55.511	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	703384	53.161	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	102348	69.702	ug/l	96
82) 4-Chlorotoluene	11.457	91	704414	55.579	ug/l	97
83) tert-Butylbenzene	11.719	119	697647	53.857	ug/l	92
84) 1,2,4-Trimethylbenzene	11.756	105	718545	54.177	ug/l	100
85) sec-Butylbenzene	11.890	105	913631	56.500	ug/l	97
86) p-Isopropyltoluene	12.012	119	738311	54.917	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	357646	52.505	ug/l	96
88) 1,4-Dichlorobenzene	12.042	146	357985	52.643	ug/l	96
89) n-Butylbenzene	12.335	91	697294	60.224	ug/l	97
90) Hexachloroethane	12.542	117	117891	60.592	ug/l	77
91) 1,2-Dichlorobenzene	12.335	146	349010	52.174	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	76943	64.958	ug/l	80
93) 1,2,4-Trichlorobenzene	13.591	180	207442	51.353	ug/l	96
94) Hexachlorobutadiene	13.725	225	72472	44.932	ug/l	96
95) Naphthalene	13.780	128	894152	59.705	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	210202	51.696	ug/l	93

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

