

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052622\
 Data File : VX029014.D
 Acq On : 26 May 2022 21:05
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/27/2022
 Supervised By : Mahesh Dadoda 05/31/2022

Quant Time: May 27 07:37:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	258354	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	422106	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	388313	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	207382	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	159790	45.120	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	90.240%		
35) Dibromofluoromethane	5.385	113	135293	48.920	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.840%		
50) Toluene-d8	8.653	98	483453	46.367	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	92.740%		
62) 4-Bromofluorobenzene	11.079	95	198534	50.979	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	101.960%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	145333	42.961	ug/l	100
3) Chloromethane	1.288	50	127020	39.870	ug/l	99
4) Vinyl Chloride	1.374	62	138883	40.452	ug/l	99
5) Bromomethane	1.599	94	111702	45.513	ug/l	98
6) Chloroethane	1.678	64	93224	42.788	ug/l	98
7) Trichlorofluoromethane	1.886	101	228718	41.784	ug/l	96
8) Diethyl Ether	2.136	74	88563	44.403	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.325	101	134445	46.675	ug/l	99
10) Methyl Iodide	2.453	142	117312	34.018	ug/l	95
11) Tert butyl alcohol	2.995	59	165275	218.915	ug/l	99
12) 1,1-Dichloroethene	2.319	96	123032	46.013	ug/l	98
13) Acrolein	2.233	56	41516	71.421	ug/l	97
14) Allyl chloride	2.666	41	199743	46.576	ug/l	95
15) Acrylonitrile	3.062	53	407491	238.819	ug/l	100
16) Acetone	2.380	43	341763	224.859	ug/l	94
17) Carbon Disulfide	2.508	76	251708	36.315	ug/l	99
18) Methyl Acetate	2.703	43	194203	51.015	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	487705	51.399	ug/l	100
20) Methylene Chloride	2.788	84	149730	46.957	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	135822	45.096	ug/l	100
22) Diisopropyl ether	3.763	45	447694	48.851	ug/l	94
23) Vinyl Acetate	3.721	43	1885898	238.707	ug/l	97
24) 1,1-Dichloroethane	3.611	63	259961	48.793	ug/l	99
25) 2-Butanone	4.556	43	553415	231.967	ug/l	97
26) 2,2-Dichloropropane	4.477	77	193475	46.315	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	169582	48.209	ug/l	96
28) Bromochloromethane	4.897	49	98362	43.861	ug/l	97
29) Tetrahydrofuran	5.007	42	356192	229.688	ug/l	95
30) Chloroform	5.092	83	284997	49.427	ug/l	98
31) Cyclohexane	5.477	56	207838	42.280	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	251608	49.984	ug/l	98
36) 1,1-Dichloropropene	5.696	75	193604	46.608	ug/l	99
37) Ethyl Acetate	4.714	43	212108	48.888	ug/l	99
38) Carbon Tetrachloride	5.678	117	214685	51.356	ug/l	98
39) Methylcyclohexane	7.385	83	228967	48.065	ug/l	98
40) Benzene	6.043	78	585319	49.030	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	118774	51.058	ug/l	94
42) 1,2-Dichloroethane	6.092	62	219245	49.789	ug/l	99
43) Isopropyl Acetate	6.342	43	340534	50.170	ug/l	98
44) Trichloroethene	7.129	130	164227	50.724	ug/l	99
45) 1,2-Dichloropropane	7.434	63	152470	51.190	ug/l	98
46) Dibromomethane	7.586	93	109545	49.248	ug/l	97
47) Bromodichloromethane	7.824	83	219379	53.123	ug/l	97
48) Methyl methacrylate	7.696	41	165995	50.626	ug/l	94
49) 1,4-Dioxane	7.671	88	76229	930.613	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	1113274	249.005	ug/l	97
52) Toluene	8.720	92	386498	50.329	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	225108	47.441	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	244857	52.694	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	164906	52.661	ug/l	97
56) Ethyl methacrylate	9.116	69	258364	54.483	ug/l	94
57) 1,3-Dichloropropane	9.311	76	274751	52.020	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	586085	252.441	ug/l	97
59) 2-Hexanone	9.433	43	857760	246.940	ug/l	95
60) Dibromochloromethane	9.525	129	172373	56.441	ug/l	95
61) 1,2-Dibromoethane	9.610	107	170987	51.988	ug/l	98
64) Tetrachloroethene	9.275	164	150649	51.374	ug/l	95
65) Chlorobenzene	10.079	112	427042	51.839	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	165514	56.719	ug/l	98
67) Ethyl Benzene	10.195	91	751062	50.866	ug/l	98
68) m/p-Xylenes	10.305	106	585287	101.814	ug/l	100
69) o-Xylene	10.646	106	291896	51.574	ug/l	99
70) Styrene	10.659	104	498130	54.197	ug/l	98
71) Bromoform	10.799	173	123629	51.082	ug/l	99
73) Isopropylbenzene	10.963	105	773398	49.177	ug/l	100
74) N-amyl acetate	10.848	43	296613	47.979	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	265774	49.260	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	234665m	48.318	ug/l	
77) Bromobenzene	11.201	156	189844	51.018	ug/l	98
78) n-propylbenzene	11.305	91	876866	48.202	ug/l	99
79) 2-Chlorotoluene	11.366	91	548340	49.179	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	664624	50.718	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	58803	37.194	ug/l	90
82) 4-Chlorotoluene	11.457	91	628065	48.726	ug/l	99
83) tert-Butylbenzene	11.719	119	674981	53.199	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	666430	50.714	ug/l	99
85) sec-Butylbenzene	11.890	105	810810	51.807	ug/l	99
86) p-Isopropyltoluene	12.012	119	698744	53.207	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	368884	50.541	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	369014	48.743	ug/l	98
89) n-Butylbenzene	12.335	91	585067	51.418	ug/l	99
90) Hexachloroethane	12.542	117	108710	51.188	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	368547	51.401	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	59311	51.484	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	232291	56.093	ug/l	98
94) Hexachlorobutadiene	13.725	225	95906	57.006	ug/l	93
95) Naphthalene	13.774	128	835396	56.689	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	232779	55.966	ug/l	96

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

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