

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042022\
 Data File : VX028229.D
 Acq On : 21 Apr 2022 04:34
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/21/2022
 Supervised By : Mahesh Dadoda 04/21/2022

Quant Time: Apr 21 06:23:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	291465	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	480149	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	462532	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	263935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	188791	49.677	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.360%		
35) Dibromofluoromethane	5.385	113	172444	51.212	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.420%		
50) Toluene-d8	8.653	98	636172	49.190	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.380%		
62) 4-Bromofluorobenzene	11.079	95	246021	49.751	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	99.500%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	105058	55.838	ug/l	97
3) Chloromethane	1.288	50	118118	62.894	ug/l	99
4) Vinyl Chloride	1.374	62	147258	50.116	ug/l	99
5) Bromomethane	1.599	94	125873	47.706	ug/l	97
6) Chloroethane	1.679	64	105938	50.376	ug/l	97
7) Trichlorofluoromethane	1.886	101	289332	44.654	ug/l	94
8) Diethyl Ether	2.130	74	100923	51.965	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.331	101	138175	58.542	ug/l	98
10) Methyl Iodide	2.453	142	182540	55.865	ug/l	96
11) Tert butyl alcohol	2.965	59	202908	279.989	ug/l	98
12) 1,1-Dichloroethene	2.319	96	132672	59.229	ug/l	96
13) Acrolein	2.233	56	132073	283.567	ug/l	99
14) Allyl chloride	2.666	41	183538	48.831	ug/l	93
15) Acrylonitrile	3.062	53	400256	258.444	ug/l	99
16) Acetone	2.380	43	342521	295.339	ug/l	94
17) Carbon Disulfide	2.514	76	306897	50.877	ug/l	99
18) Methyl Acetate	2.703	43	175463	51.928	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	490731	52.537	ug/l	96
20) Methylene Chloride	2.788	84	153787	54.538	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	154731	50.793	ug/l	94
22) Diisopropyl ether	3.764	45	418641	48.902	ug/l	91
23) Vinyl Acetate	3.721	43	1874279	250.603	ug/l	98
24) 1,1-Dichloroethane	3.611	63	257439	50.930	ug/l	98
25) 2-Butanone	4.556	43	557503	247.700	ug/l	99
26) 2,2-Dichloropropane	4.477	77	183658	37.213	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	188216	51.817	ug/l	89
28) Bromochloromethane	4.904	49	94112	43.396	ug/l	85
29) Tetrahydrofuran	5.001	42	352907	240.473	ug/l	97
30) Chloroform	5.099	83	300387	49.483	ug/l	100
31) Cyclohexane	5.471	56	223807	48.337	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	279708	50.884	ug/l	97
36) 1,1-Dichloropropene	5.696	75	211182	48.080	ug/l	96
37) Ethyl Acetate	4.715	43	215717	48.402	ug/l	100
38) Carbon Tetrachloride	5.684	117	246772	49.769	ug/l	97
39) Methylcyclohexane	7.385	83	260156	46.943	ug/l	94
40) Benzene	6.037	78	631116	49.087	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	111230	48.373	ug/l	99
42) 1,2-Dichloroethane	6.086	62	228584	47.895	ug/l	100
43) Isopropyl Acetate	6.342	43	340438	46.935	ug/l	98
44) Trichloroethene	7.129	130	186531	50.030	ug/l	99
45) 1,2-Dichloropropane	7.434	63	150590	47.851	ug/l	99
46) Dibromomethane	7.580	93	124599	50.471	ug/l	98
47) Bromodichloromethane	7.824	83	230324	48.543	ug/l	99
48) Methyl methacrylate	7.696	41	158995	47.744	ug/l	94
49) 1,4-Dioxane	7.659	88	92020	1032.917	ug/l	91
51) 4-Methyl-2-Pentanone	8.574	43	1118986	240.404	ug/l	98
52) Toluene	8.720	92	441703	49.450	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	238044	47.206	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	252363	46.604	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	182735	50.351	ug/l	98
56) Ethyl methacrylate	9.116	69	268173	50.975	ug/l #	95
57) 1,3-Dichloropropane	9.311	76	286521	48.913	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	625228	253.298	ug/l	91
59) 2-Hexanone	9.433	43	899872	249.581	ug/l	96
60) Dibromochloromethane	9.525	129	201764	50.996	ug/l	96
61) 1,2-Dibromoethane	9.610	107	203460	51.101	ug/l	99
64) Tetrachloroethene	9.275	164	161800	44.785	ug/l	98
65) Chlorobenzene	10.079	112	499107	50.611	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	192220	52.325	ug/l	98
67) Ethyl Benzene	10.195	91	847873	51.274	ug/l	95
68) m/p-Xylenes	10.305	106	701990	104.307	ug/l	94
69) o-Xylene	10.646	106	347650	51.811	ug/l	94
70) Styrene	10.659	104	580025	53.357	ug/l	99
71) Bromoform	10.805	173	155551	46.181	ug/l #	98
73) Isopropylbenzene	10.963	105	906612	49.975	ug/l	99
74) N-amyl acetate	10.842	43	318778	50.840	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	301334	51.187	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	258108m	49.690	ug/l	
77) Bromobenzene	11.201	156	237738	50.319	ug/l	90
78) n-propylbenzene	11.305	91	998735	49.649	ug/l	95
79) 2-Chlorotoluene	11.366	91	614226	49.113	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	781588	50.755	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	78535	44.930	ug/l	96
82) 4-Chlorotoluene	11.457	91	705123	48.946	ug/l	94
83) tert-Butylbenzene	11.719	119	823326	52.359	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	777245	50.775	ug/l	98
85) sec-Butylbenzene	11.890	105	958803	50.541	ug/l	96
86) p-Isopropyltoluene	12.012	119	839374	51.287	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	457792	51.567	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	462009	49.565	ug/l	100
89) n-Butylbenzene	12.335	91	659065	49.042	ug/l	97
90) Hexachloroethane	12.542	117	140438	47.774	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	461275	52.304	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	64922	49.589	ug/l	87
93) 1,2,4-Trichlorobenzene	13.591	180	277632	52.930	ug/l	99
94) Hexachlorobutadiene	13.725	225	111128	47.479	ug/l	95
95) Naphthalene	13.774	128	959370	54.905	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	273135	53.050	ug/l	98

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

