

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041222\
 Data File : VX028077.D
 Acq On : 12 Apr 2022 23:22
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/13/2022
 Supervised By : Mahesh Dadoda 04/13/2022

Quant Time: Apr 13 01:16:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 12 22:07:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	169286	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	279719	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	264854	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	153325	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	112711	49.076	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 98.160%			
35) Dibromofluoromethane	5.391	113	92641	50.543	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.080%			
50) Toluene-d8	8.653	98	350833	51.322	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.640%			
62) 4-Bromofluorobenzene	11.079	95	130620	51.175	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 102.360%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	73829	44.917	ug/l	98
3) Chloromethane	1.288	50	86061	47.309	ug/l	98
4) Vinyl Chloride	1.374	62	101832	46.563	ug/l	100
5) Bromomethane	1.599	94	116742	50.633	ug/l	100
6) Chloroethane	1.678	64	80461	45.009	ug/l	100
7) Trichlorofluoromethane	1.886	101	197016	45.934	ug/l	98
8) Diethyl Ether	2.136	74	71099	43.256	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	79899	46.825	ug/l	97
10) Methyl Iodide	2.453	142	73069	36.772	ug/l	98
11) Tert butyl alcohol	2.983	59	116743	218.985	ug/l	100
12) 1,1-Dichloroethene	2.319	96	76907	46.026	ug/l	97
13) Acrolein	2.233	56	62664	221.236	ug/l	99
14) Allyl chloride	2.666	41	126165	42.663	ug/l #	88
15) Acrylonitrile	3.062	53	254008	229.935	ug/l	98
16) Acetone	2.380	43	212740	222.326	ug/l	92
17) Carbon Disulfide	2.514	76	208017	47.373	ug/l	99
18) Methyl Acetate	2.703	43	113055	44.278	ug/l	94
19) Methyl tert-butyl Ether	3.117	73	297248	47.368	ug/l	98
20) Methylene Chloride	2.788	84	89254	46.830	ug/l	89
21) trans-1,2-Dichloroethene	3.093	96	91984	45.955	ug/l	99
22) Diisopropyl ether	3.763	45	302215	47.623	ug/l	90
23) Vinyl Acetate	3.721	43	1366161	242.277	ug/l	96
24) 1,1-Dichloroethane	3.611	63	164162	47.786	ug/l	99
25) 2-Butanone	4.556	43	373012	225.519	ug/l	95
26) 2,2-Dichloropropane	4.477	77	131161	41.125	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	106288	47.107	ug/l	98
28) Bromochloromethane	4.897	49	71912	48.700	ug/l	92
29) Tetrahydrofuran	5.001	42	246784	228.277	ug/l	91
30) Chloroform	5.099	83	181005	47.382	ug/l	96
31) Cyclohexane	5.476	56	148349	46.977	ug/l	92
32) 1,1,1-Trichloroethane	5.385	97	164857	47.648	ug/l	98
36) 1,1-Dichloropropene	5.696	75	131194	46.899	ug/l	99
37) Ethyl Acetate	4.714	43	150863	46.294	ug/l #	95
38) Carbon Tetrachloride	5.684	117	142718	47.788	ug/l	99
39) Methylcyclohexane	7.385	83	155918	47.150	ug/l	99
40) Benzene	6.043	78	390275	47.978	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	74839	43.166	ug/l	92
42) 1,2-Dichloroethane	6.092	62	147303	47.956	ug/l	98
43) Isopropyl Acetate	6.342	43	244283	44.995	ug/l	94
44) Trichloroethene	7.129	130	105029	48.555	ug/l	100
45) 1,2-Dichloropropane	7.433	63	94423	46.060	ug/l	96
46) Dibromomethane	7.580	93	72824	48.153	ug/l	94
47) Bromodichloromethane	7.824	83	141210	48.312	ug/l	99
48) Methyl methacrylate	7.696	41	111021	44.795	ug/l #	82
49) 1,4-Dioxane	7.665	88	53750	971.458	ug/l	93
51) 4-Methyl-2-Pentanone	8.573	43	790531	228.375	ug/l	90
52) Toluene	8.720	92	261385	48.164	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	154789	46.885	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	157310	45.940	ug/l #	84
55) 1,1,2-Trichloroethane	9.153	97	103430	47.013	ug/l	96
56) Ethyl methacrylate	9.116	69	161756	46.775	ug/l #	79
57) 1,3-Dichloropropane	9.311	76	172213	47.219	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	362721	232.388	ug/l	99
59) 2-Hexanone	9.433	43	633058	233.514	ug/l	88
60) Dibromochloromethane	9.525	129	112809	47.968	ug/l	96
61) 1,2-Dibromoethane	9.610	107	113369	47.315	ug/l	100
64) Tetrachloroethene	9.275	164	102501	48.777	ug/l	96
65) Chlorobenzene	10.079	112	278081	48.119	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	105288	49.309	ug/l	99
67) Ethyl Benzene	10.195	91	499771	49.110	ug/l	98
68) m/p-Xylenes	10.305	106	400536	94.256	ug/l	100
69) o-Xylene	10.646	106	197558	47.826	ug/l	97
70) Styrene	10.659	104	332925	41.720	ug/l	99
71) Bromoform	10.799	173	83947	41.515	ug/l #	97
73) Isopropylbenzene	10.963	105	514161	47.204	ug/l	100
74) N-amyl acetate	10.841	43	233551	49.614	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.213	83	179762	47.241	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	158517m	46.440	ug/l	
77) Bromobenzene	11.201	156	125023	46.986	ug/l	96
78) n-propylbenzene	11.305	91	608036	48.033	ug/l	100
79) 2-Chlorotoluene	11.366	91	354253	46.146	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	449076	47.729	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	46061	38.006	ug/l	87
82) 4-Chlorotoluene	11.457	91	423702	46.885	ug/l	98
83) tert-Butylbenzene	11.713	119	436169	47.913	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	449336	48.779	ug/l	100
85) sec-Butylbenzene	11.890	105	556607	47.906	ug/l	100
86) p-Isopropyltoluene	12.012	119	473126	48.057	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	246884	47.618	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	255893	47.050	ug/l	99
89) n-Butylbenzene	12.335	91	408331	48.456	ug/l	97
90) Hexachloroethane	12.542	117	74267	44.897	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	251942	48.632	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	39490	47.172	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	148131	51.134	ug/l	99
94) Hexachlorobutadiene	13.725	225	57652	49.320	ug/l	94
95) Naphthalene	13.774	128	524870	51.877	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	147729	51.529	ug/l	96

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

