

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042822\
 Data File : VX028402.D
 Acq On : 28 Apr 2022 15:51
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/29/2022
 Supervised By : Mahesh Dadoda 04/29/2022

Quant Time: Apr 29 04:10:14 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	432058	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	653067	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	596084	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	313362	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	231200	41.040	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	82.080%		
35) Dibromofluoromethane	5.385	113	208772	45.584	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.160%		
50) Toluene-d8	8.647	98	748412	42.546	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	85.100%		
62) 4-Bromofluorobenzene	11.079	95	280032	41.635	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	83.280%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	178829	64.119	ug/l	97
3) Chloromethane	1.288	50	160096	57.290	ug/l	98
4) Vinyl Chloride	1.374	62	185895	42.679	ug/l	98
5) Bromomethane	1.605	94	189826	48.703	ug/l	97
6) Chloroethane	1.685	64	129695	41.004	ug/l	95
7) Trichlorofluoromethane	1.886	101	342644	35.674	ug/l	97
8) Diethyl Ether	2.136	74	127333	43.734	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	187997	53.732	ug/l	95
10) Methyl Iodide	2.453	142	245892	51.244	ug/l	98
11) Tert butyl alcohol	3.002	59	205495	188.010	ug/l	98
12) 1,1-Dichloroethene	2.319	96	172419	51.926	ug/l	93
13) Acrolein	2.233	56	146335	211.951	ug/l	97
14) Allyl chloride	2.666	41	236312	42.413	ug/l	94
15) Acrylonitrile	3.063	53	475674	207.196	ug/l	98
16) Acetone	2.380	43	394910	229.396	ug/l	98
17) Carbon Disulfide	2.514	76	311772	34.867	ug/l	99
18) Methyl Acetate	2.703	43	220957	44.113	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	618061	44.637	ug/l	98
20) Methylene Chloride	2.788	84	192116	45.961	ug/l	100
21) trans-1,2-Dichloroethene	3.093	96	185153	41.002	ug/l	93
22) Diisopropyl ether	3.758	45	532317	41.947	ug/l #	85
23) Vinyl Acetate	3.721	43	2278008	205.471	ug/l	99
24) 1,1-Dichloroethane	3.611	63	322927	43.097	ug/l	99
25) 2-Butanone	4.556	43	638295	191.313	ug/l	97
26) 2,2-Dichloropropane	4.477	77	270160	36.927	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	226517	42.069	ug/l	91
28) Bromochloromethane	4.898	49	134415	41.811	ug/l	86
29) Tetrahydrofuran	5.001	42	408029	187.561	ug/l	100
30) Chloroform	5.093	83	357382	39.715	ug/l	100
31) Cyclohexane	5.471	56	259551	37.816	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	319456	39.204	ug/l	98
36) 1,1-Dichloropropene	5.690	75	251090	42.030	ug/l	97
37) Ethyl Acetate	4.715	43	254817	42.036	ug/l	99
38) Carbon Tetrachloride	5.678	117	274479	40.699	ug/l	100
39) Methylcyclohexane	7.379	83	278794	36.986	ug/l	95
40) Benzene	6.038	78	743418	42.512	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	134340	42.954	ug/l	97
42) 1,2-Dichloroethane	6.086	62	267556	41.217	ug/l	100
43) Isopropyl Acetate	6.336	43	409391	41.497	ug/l	99
44) Trichloroethene	7.123	130	230133	45.381	ug/l	96
45) 1,2-Dichloropropane	7.428	63	185977	43.448	ug/l	98
46) Dibromomethane	7.580	93	142258	42.367	ug/l	97
47) Bromodichloromethane	7.824	83	255928	39.657	ug/l	97
48) Methyl methacrylate	7.690	41	191219	42.217	ug/l	92
49) 1,4-Dioxane	7.671	88	87846	724.976	ug/l	94
51) 4-Methyl-2-Pentanone	8.574	43	1271260	200.803	ug/l	97
52) Toluene	8.720	92	501778	41.301	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	281165	40.994	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	305857	41.527	ug/l #	92
55) 1,1,2-Trichloroethane	9.153	97	210091	42.561	ug/l	98
56) Ethyl methacrylate	9.116	69	312274	43.641	ug/l #	92
57) 1,3-Dichloropropane	9.311	76	334530	41.988	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	784390	233.638	ug/l	92
59) 2-Hexanone	9.433	43	969456	197.686	ug/l	95
60) Dibromochloromethane	9.525	129	213342	39.645	ug/l	96
61) 1,2-Dibromoethane	9.610	107	224482	41.452	ug/l	99
64) Tetrachloroethene	9.275	164	223191	47.936	ug/l	95
65) Chlorobenzene	10.080	112	564601	44.425	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	210875	44.542	ug/l	99
67) Ethyl Benzene	10.195	91	960466	45.070	ug/l	95
68) m/p-Xylenes	10.305	106	770147	88.795	ug/l	95
69) o-Xylene	10.640	106	381330	44.097	ug/l	95
70) Styrene	10.659	104	635126	45.336	ug/l	99
71) Bromoform	10.799	173	152095	35.901	ug/l #	99
73) Isopropylbenzene	10.964	105	988531	45.896	ug/l	99
74) N-amyl acetate	10.842	43	354612	47.634	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.214	83	317646	45.447	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	282495m	45.806	ug/l	
77) Bromobenzene	11.201	156	262045	46.715	ug/l	89
78) n-propylbenzene	11.305	91	1094751	45.838	ug/l	96
79) 2-Chlorotoluene	11.366	91	669360	45.079	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	817311	44.703	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	84474	40.705	ug/l	91
82) 4-Chlorotoluene	11.457	91	764282	44.684	ug/l	95
83) tert-Butylbenzene	11.713	119	815068	43.658	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	830395	45.691	ug/l	99
85) sec-Butylbenzene	11.890	105	969131	43.027	ug/l	98
86) p-Isopropyltoluene	12.012	119	840491	43.255	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	494109	46.879	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	501055	45.275	ug/l	99
89) n-Butylbenzene	12.335	91	696895	43.678	ug/l	98
90) Hexachloroethane	12.543	117	126117	36.577	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	489824	46.781	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	65863	42.373	ug/l	88
93) 1,2,4-Trichlorobenzene	13.591	180	314057	50.430	ug/l	99
94) Hexachlorobutadiene	13.725	225	132783	47.782	ug/l	94
95) Naphthalene	13.774	128	1087967	52.443	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	315912	51.680	ug/l	95

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

