

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112922\
 Data File : VX033119.D
 Acq On : 29 Nov 2022 16:46
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/30/2022
 Supervised By : Mahesh Dadoda 11/30/2022

Quant Time: Nov 30 01:04:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	135970	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.756	114	212165	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	195589	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	103161	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59669	44.570	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.140%		
35) Dibromofluoromethane	5.379	113	51814	43.319	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	86.640%		
50) Toluene-d8	8.646	98	156989	43.334	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	86.660%#		
62) 4-Bromofluorobenzene	11.079	95	72532	46.163	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.320%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	43670	42.039	ug/l	97
3) Chloromethane	1.294	50	46365	41.344	ug/l	96
4) Vinyl Chloride	1.373	62	54911	43.976	ug/l	97
5) Bromomethane	1.617	94	31146	33.637	ug/l	100
6) Chloroethane	1.690	64	49504	48.699	ug/l	98
7) Trichlorofluoromethane	1.885	101	121280	50.044	ug/l	98
8) Diethyl Ether	2.129	74	37994	49.797	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.330	101	62439	49.019	ug/l	99
10) Methyl Iodide	2.452	142	42207	28.945	ug/l	99
11) Tert butyl alcohol	3.001	59	54487m	259.582	ug/l	
12) 1,1-Dichloroethene	2.318	96	56489	47.607	ug/l	97
13) Acrolein	2.239	56	59866	248.299	ug/l	99
14) Allyl chloride	2.666	41	92341	48.203	ug/l	99
15) Acrylonitrile	3.062	53	140478	236.613	ug/l	98
16) Acetone	2.391	43	135559	219.209	ug/l	96
17) Carbon Disulfide	2.513	76	137305	41.884	ug/l	99
18) Methyl Acetate	2.702	43	81341	47.517	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	201995	49.086	ug/l	98
20) Methylene Chloride	2.788	84	63092	49.007	ug/l	91
21) trans-1,2-Dichloroethene	3.092	96	61787	45.522	ug/l	98
22) Diisopropyl ether	3.751	45	212804	51.017	ug/l #	79
23) Vinyl Acetate	3.720	43	828342	253.693	ug/l	100
24) 1,1-Dichloroethane	3.611	63	115462	48.372	ug/l	100
25) 2-Butanone	4.562	43	203193	238.288	ug/l	97
26) 2,2-Dichloropropane	4.470	77	97145	50.615	ug/l	99
27) cis-1,2-Dichloroethene	4.482	96	75765	49.130	ug/l	99
28) Bromochloromethane	4.897	49	51096	48.717	ug/l	100
29) Tetrahydrofuran	5.007	42	128439	237.372	ug/l	99
30) Chloroform	5.086	83	134612	50.352	ug/l	98
31) Cyclohexane	5.464	56	103869	48.412	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	121647	50.810	ug/l	100
36) 1,1-Dichloropropene	5.690	75	94172	49.239	ug/l	99
37) Ethyl Acetate	4.708	43	82641	49.528	ug/l	99
38) Carbon Tetrachloride	5.677	117	107010	50.437	ug/l	97
39) Methylcyclohexane	7.378	83	110575	50.672	ug/l	98
40) Benzene	6.037	78	267507	49.887	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	47117	50.185	ug/l	98
42) 1,2-Dichloroethane	6.080	62	111822	51.792	ug/l	100
43) Isopropyl Acetate	6.336	43	140105	50.772	ug/l	99
44) Trichloroethene	7.122	130	75893	50.437	ug/l	92
45) 1,2-Dichloropropane	7.427	63	68497	51.689	ug/l	99
46) Dibromomethane	7.580	93	52591	50.861	ug/l	98
47) Bromodichloromethane	7.817	83	105557	52.831	ug/l	98
48) Methyl methacrylate	7.689	41	72443	51.001	ug/l	99
49) 1,4-Dioxane	7.714	88	27246	1042.040	ug/l	96
51) 4-Methyl-2-Pentanone	8.573	43	438263	257.380	ug/l	100
52) Toluene	8.713	92	180517	51.169	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	107685	50.155	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	115252	53.507	ug/l	96
55) 1,1,2-Trichloroethane	9.152	97	73321	51.048	ug/l	97
56) Ethyl methacrylate	9.116	69	106460	53.796	ug/l	98
57) 1,3-Dichloropropane	9.305	76	118361	51.046	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	241955	257.472	ug/l	99
59) 2-Hexanone	9.427	43	323970	257.553	ug/l	99
60) Dibromochloromethane	9.518	129	83168	53.782	ug/l	99
61) 1,2-Dibromoethane	9.610	107	77839	51.344	ug/l	99
64) Tetrachloroethene	9.274	164	67080	48.452	ug/l	97
65) Chlorobenzene	10.079	112	195959	50.252	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.164	131	74742	52.310	ug/l	99
67) Ethyl Benzene	10.195	91	357138	51.630	ug/l	99
68) m/p-Xylenes	10.299	106	281295	103.848	ug/l	100
69) o-Xylene	10.640	106	136399	52.043	ug/l	99
70) Styrene	10.652	104	229469	53.517	ug/l	99
71) Bromoform	10.798	173	59129	53.975	ug/l #	99
73) Isopropylbenzene	10.963	105	370517	50.262	ug/l	100
74) N-amyl acetate	10.841	43	129154	51.503	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	108331	48.690	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	98945m	50.645	ug/l	
77) Bromobenzene	11.195	156	88005	48.542	ug/l	98
78) n-propylbenzene	11.304	91	431205	51.160	ug/l	100
79) 2-Chlorotoluene	11.365	91	257004	50.205	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	319955	51.666	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	30741	51.145	ug/l	100
82) 4-Chlorotoluene	11.451	91	302155	50.369	ug/l	100
83) tert-Butylbenzene	11.713	119	314279	50.983	ug/l	99
84) 1,2,4-Trimethylbenzene	11.749	105	314243	50.890	ug/l	99
85) sec-Butylbenzene	11.890	105	382368	51.847	ug/l	99
86) p-Isopropyltoluene	12.012	119	326789	52.300	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	167526	49.265	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	170656	49.003	ug/l	99
89) n-Butylbenzene	12.335	91	281712	52.335	ug/l	99
90) Hexachloroethane	12.536	117	51172	49.848	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	166219	50.249	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.944	75	22521	50.732	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	103862	50.936	ug/l	99
94) Hexachlorobutadiene	13.725	225	42568	47.319	ug/l	99
95) Naphthalene	13.774	128	336171	50.962	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	102274	50.016	ug/l	100

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

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