

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081619\
 Data File : VX011594.D
 Acq On : 16 Aug 2019 20:19
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/19/2019 10:29:35 AM

Quant Time: Aug 19 03:44:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	372782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	514179	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	462530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	253769	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	160482	46.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.84%	
35) Dibromofluoromethane	5.49	113	154930	46.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.14%	
50) Toluene-d8	8.71	98	492737	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	
62) 4-Bromofluorobenzene	11.13	95	207176	46.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.68%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	205120	55.979	ug/l 100
3) Chloromethane	1.32	50	173058	45.472	ug/l 99
4) Vinyl Chloride	1.40	62	176350	51.296	ug/l 100
5) Bromomethane	1.63	94	77584	50.365	ug/l 96
6) Chloroethane	1.71	64	86518	53.173	ug/l 98
7) Trichlorofluoromethane	1.92	101	253973	53.335	ug/l 100
8) Diethyl Ether	2.18	74	87233	53.404	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	165200	50.227	ug/l 100
10) Methyl Iodide	2.50	142	208024	44.398	ug/l 99
11) Tert butyl alcohol	3.04	59	225435	265.807	ug/l 99
12) 1,1-Dichloroethene	2.37	96	162914	51.254	ug/l 94
13) Acrolein	2.29	56	60523	232.803	ug/l 99
14) Allyl chloride	2.72	41	277379	52.459	ug/l 98
15) Acrylonitrile	3.14	53	523425	269.656	ug/l 100
16) Acetone	2.43	43	452571	260.356	ug/l 99
17) Carbon Disulfide	2.56	76	381639	50.954	ug/l 100
18) Methyl Acetate	2.76	43	295521	54.817	ug/l 99
19) Methyl tert-butyl Ether	3.18	73	567954	54.864	ug/l 100
20) Methylene Chloride	2.85	84	180334	49.410	ug/l 98
21) trans-1,2-Dichloroethene	3.15	96	173049	51.375	ug/l 98
22) Diisopropyl ether	3.85	45	566252	53.775	ug/l 99
23) Vinyl Acetate	3.81	43	2274310	272.750	ug/l 100
24) 1,1-Dichloroethane	3.69	63	311109	52.256	ug/l 98
25) 2-Butanone	4.67	43	739423	270.956	ug/l 97
26) 2,2-Dichloropropane	4.57	77	214957	47.972	ug/l 99
27) cis-1,2-Dichloroethene	4.59	96	202666	51.613	ug/l 100
28) Bromochloromethane	5.01	49	130347	49.874	ug/l 99
29) Tetrahydrofuran	5.12	42	482329	269.441	ug/l 99
30) Chloroform	5.20	83	321139	51.112	ug/l 99
31) Cyclohexane	5.57	56	273674	53.390	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	287755	53.263	ug/l 100
36) 1,1-Dichloropropene	5.79	75	230198	52.363	ug/l 99
37) Ethyl Acetate	4.82	43	275170	54.420	ug/l 100
38) Carbon Tetrachloride	5.78	117	254797	52.607	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	282781	52.088	ug/l	99
40) Benzene	6.13	78	708795	51.883	ug/l	98
41) Methacrylonitrile	5.03	41	153113	55.019	ug/l	98
42) 1,2-Dichloroethane	6.19	62	251436	53.122	ug/l	100
43) Isopropyl Acetate	6.44	43	428243	54.269	ug/l	100
44) Trichloroethene	7.21	130	211486	52.184	ug/l	99
45) 1,2-Dichloropropane	7.51	63	182614	53.599	ug/l	100
46) Dibromomethane	7.66	93	126037	50.906	ug/l	99
47) Bromodichloromethane	7.90	83	240729	52.954	ug/l	99
48) Methyl methacrylate	7.76	41	216833	55.487	ug/l	99
49) 1,4-Dioxane	7.74	88	107519	1034.447	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1421487	275.211	ug/l	100
52) Toluene	8.78	92	455150	52.295	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	260008	55.109	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	278577	53.954	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	191699	51.794	ug/l	98
56) Ethyl methacrylate	9.18	69	303811	56.476	ug/l	100
57) 1,3-Dichloropropane	9.37	76	309813	52.659	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	705315	263.140	ug/l	99
59) 2-Hexanone	9.49	43	1101903	276.646	ug/l	99
60) Dibromochloromethane	9.58	129	213724	55.423	ug/l	98
61) 1,2-Dibromoethane	9.67	107	211942	53.655	ug/l	98
64) Tetrachloroethene	9.34	164	198060	52.190	ug/l	99
65) Chlorobenzene	10.13	112	517850	52.492	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	200520	54.381	ug/l	100
67) Ethyl Benzene	10.25	91	890989	54.116	ug/l	100
68) m/p-Xylenes	10.35	106	687536	108.790	ug/l	98
69) o-Xylene	10.69	106	337810	54.569	ug/l	98
70) Styrene	10.71	104	577635	55.428	ug/l	100
71) Bromoform	10.85	173	175870	49.142	ug/l #	99
73) Isopropylbenzene	11.02	105	904845	54.950	ug/l	99
74) N-amyl acetate	10.90	43	383246	54.767	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	298092	52.624	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	262095m	54.466	ug/l	
77) Bromobenzene	11.25	156	261719	53.421	ug/l	100
78) n-propylbenzene	11.36	91	982364	55.325	ug/l	100
79) 2-Chlorotoluene	11.42	91	587870	53.918	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	763571	55.201	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	86646	48.887	ug/l	98
82) 4-Chlorotoluene	11.51	91	683872	54.064	ug/l	100
83) tert-Butylbenzene	11.77	119	774324	54.962	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	773455	55.697	ug/l	99
85) sec-Butylbenzene	11.94	105	875806	55.100	ug/l	100
86) p-Isopropyltoluene	12.06	119	833025	55.708	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	448077	53.210	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	450682	52.805	ug/l	99
89) n-Butylbenzene	12.38	91	677945	55.145	ug/l	100
90) Hexachloroethane	12.59	117	129304	54.758	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	439766	52.024	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	70324	54.264	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	347091	55.107	ug/l	99
94) Hexachlorobutadiene	13.78	225	179108	52.224	ug/l	98
95) Naphthalene	13.83	128	1034965	58.125	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	350903	55.236	ug/l	100

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

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