

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO083019\
 Data File : VX011918.D
 Acq On : 30 Aug 2019 20:09
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:41:09 AM

Quant Time: Aug 31 02:34:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	325604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	450629	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	425465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	251578	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	153010	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
35) Dibromofluoromethane	5.48	113	141893	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
50) Toluene-d8	8.71	98	516117	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
62) 4-Bromofluorobenzene	11.14	95	212256	46.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	97801	49.767	ug/l	98
3) Chloromethane	1.31	50	111553	48.967	ug/l	99
4) Vinyl Chloride	1.39	62	108444	49.851	ug/l	98
5) Bromomethane	1.62	94	78213	51.963	ug/l	99
6) Chloroethane	1.71	64	69283	51.174	ug/l	96
7) Trichlorofluoromethane	1.92	101	194496	51.482	ug/l	99
8) Diethyl Ether	2.17	74	65271	50.271	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	128108	52.028	ug/l	100
10) Methyl Iodide	2.50	142	112721	42.523	ug/l	100
11) Tert butyl alcohol	3.03	59	83236	277.336	ug/l	100
12) 1,1-Dichloroethene	2.36	96	117968	51.585	ug/l	99
13) Acrolein	2.28	56	42585	285.079	ug/l	95
14) Allyl chloride	2.72	41	222794	51.936	ug/l	99
15) Acrylonitrile	3.12	53	198153	277.846	ug/l	99
16) Acetone	2.43	43	177796	264.889	ug/l	100
17) Carbon Disulfide	2.56	76	330019	50.312	ug/l	100
18) Methyl Acetate	2.76	43	96022	51.680	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	397980	53.718	ug/l	99
20) Methylene Chloride	2.84	84	151803	53.331	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	140566	52.181	ug/l	98
22) Diisopropyl ether	3.84	45	460079	52.535	ug/l	95
23) Vinyl Acetate	3.80	43	1549241	275.152	ug/l	100
24) 1,1-Dichloroethane	3.69	63	253883	52.571	ug/l	100
25) 2-Butanone	4.65	43	272755	279.007	ug/l	99
26) 2,2-Dichloropropane	4.57	77	211934	52.323	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	168796	53.196	ug/l	100
28) Bromochloromethane	5.00	49	112944	52.120	ug/l	99
29) Tetrahydrofuran	5.11	42	168001	275.332	ug/l	99
30) Chloroform	5.19	83	273917	53.047	ug/l	98
31) Cyclohexane	5.57	56	191535	49.171	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	246152	53.664	ug/l	99
36) 1,1-Dichloropropene	5.79	75	186266	52.174	ug/l	99
37) Ethyl Acetate	4.82	43	119955	56.763	ug/l	100
38) Carbon Tetrachloride	5.77	117	222615	53.766	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	209197	49.196	ug/l	99
40) Benzene	6.13	78	567342	53.239	ug/l	99
41) Methacrylonitrile	5.03	41	70320	56.514	ug/l	99
42) 1,2-Dichloroethane	6.18	62	198612	54.805	ug/l	100
43) Isopropyl Acetate	6.43	43	237862	55.516	ug/l	100
44) Trichloroethene	7.20	130	174827	53.024	ug/l	98
45) 1,2-Dichloropropane	7.51	63	148978	53.445	ug/l	100
46) Dibromomethane	7.65	93	89071	53.842	ug/l	98
47) Bromodichloromethane	7.89	83	222109	54.144	ug/l	99
48) Methyl methacrylate	7.76	41	117931	56.570	ug/l	99
49) 1,4-Dioxane	7.73	88	33186	1157.629	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	622788	286.131	ug/l	99
52) Toluene	8.78	92	377109	53.490	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	226584	53.923	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	250938	53.199	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	131062	54.116	ug/l	99
56) Ethyl methacrylate	9.17	69	183338	54.545	ug/l	99
57) 1,3-Dichloropropane	9.37	76	218222	54.287	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	431802	269.718	ug/l	99
59) 2-Hexanone	9.48	43	434303	280.901	ug/l	99
60) Dibromochloromethane	9.57	129	178713	54.942	ug/l	100
61) 1,2-Dibromoethane	9.67	107	133229	55.485	ug/l	100
64) Tetrachloroethene	9.33	164	180031	52.603	ug/l	98
65) Chlorobenzene	10.14	112	441557	53.555	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	180122	54.024	ug/l	99
67) Ethyl Benzene	10.25	91	741921	52.901	ug/l	99
68) m/p-Xylenes	10.35	106	579373	106.986	ug/l	99
69) o-Xylene	10.70	106	283575	53.736	ug/l	99
70) Styrene	10.71	104	502886	54.065	ug/l	100
71) Bromoform	10.85	173	130139	55.201	ug/l	98
73) Isopropylbenzene	11.01	105	754281	52.181	ug/l	100
74) N-amyl acetate	10.89	43	232237	54.138	ug/l	# 92
75) 1,1,2,2-Tetrachloroethane	11.26	83	161660	54.645	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	140813m	56.899	ug/l	
77) Bromobenzene	11.25	156	223614	53.339	ug/l	98
78) n-propylbenzene	11.35	91	864546	52.743	ug/l	100
79) 2-Chlorotoluene	11.42	91	518807	52.583	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	655176	52.511	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	52181	52.969	ug/l	99
82) 4-Chlorotoluene	11.51	91	621590	52.222	ug/l	100
83) tert-Butylbenzene	11.77	119	667706	52.740	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	666774	52.145	ug/l	100
85) sec-Butylbenzene	11.94	105	757633	51.521	ug/l	99
86) p-Isopropyltoluene	12.06	119	739485	51.861	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	409514	52.559	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	409191	51.950	ug/l	99
89) n-Butylbenzene	12.39	91	641247	50.831	ug/l	100
90) Hexachloroethane	12.59	117	141514	51.300	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	384367	53.060	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	32509	55.166	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	316483	51.886	ug/l	99
94) Hexachlorobutadiene	13.78	225	199357	48.940	ug/l	99
95) Naphthalene	13.83	128	564761	53.950	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	288399	52.286	ug/l	99

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

