

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF021419\
 Data File : VF061632.D
 Acq On : 14 Feb 2019 10:57
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/18/2019 12:11:33 AM

Quant Time: Feb 15 00:55:19 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M

Quant Title : SW846 8260

QLast Update : Thu Feb 14 03:27:56 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	306870	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	455411	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	394392	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	201998	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	115238	51.21	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.42%	
35) Dibromofluoromethane	4.09	113	172778	51.09	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.18%	
50) Toluene-d8	7.55	98	510626	52.52	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.04%	
62) 4-Bromofluorobenzene	11.40	95	195707	49.75	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	184572	52.375	ug/l	100
3) Chloromethane	1.10	50	204550	55.321	ug/l	98
4) Vinyl Chloride	1.14	62	191159	55.613	ug/l	94
5) Bromomethane	1.31	94	139140	58.815	ug/l	96
6) Chloroethane	1.38	64	99459	58.714	ug/l	99
7) Trichlorofluoromethane	1.48	101	225875m	54.482	ug/l	
8) Diethyl Ether	1.62	74	52089	49.856	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.83	101	156617	52.366	ug/l	97
10) Methyl Iodide	1.90	142	306651m	53.674	ug/l	
11) Tert butyl alcohol	2.57	59	29361	225.447	ug/l #	89
12) 1,1-Dichloroethene	1.79	96	146544	55.729	ug/l	97
13) Acrolein	1.99	56	44000	268.815	ug/l	98
14) Allyl chloride	2.08	41	201866	62.560	ug/l	97
15) Acrylonitrile	2.93	53	106367	230.258	ug/l	96
16) Acetone	2.23	43	137179	284.121	ug/l	99
17) Carbon Disulfide	1.80	76	453788m	54.901	ug/l	
18) Methyl Acetate	2.34	43	49998	45.968	ug/l	96
19) Methyl tert-butyl Ether	2.42	73	233225	51.896	ug/l	98
20) Methylene Chloride	2.17	84	144163m	56.026	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	152017	53.180	ug/l	99
22) Diisopropyl ether	2.78	45	409416	52.858	ug/l	98
23) Vinyl Acetate	3.18	43	941755	248.932	ug/l	100
24) 1,1-Dichloroethane	2.86	63	246263	52.538	ug/l	99
25) 2-Butanone	4.32	43	272254	258.152	ug/l	99
26) 2,2-Dichloropropane	3.59	77	114330	57.583	ug/l	99
27) cis-1,2-Dichloroethene	3.46	96	197556	52.653	ug/l	98
28) Bromochloromethane	3.71	49	109846	48.841	ug/l	97
29) Tetrahydrofuran	4.05	42	103089	215.066	ug/l	96
30) Chloroform	3.85	83	275860	51.750	ug/l	98
31) Cyclohexane	3.68	56	266653	52.550	ug/l	94
32) 1,1,1-Trichloroethane	4.08	97	190530	54.564	ug/l	97
36) 1,1-Dichloropropene	4.27	75	241826	53.603	ug/l	97
37) Ethyl Acetate	4.09	43	90924	43.391	ug/l #	70
38) Carbon Tetrachloride	3.98	117	167768	53.855	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	294229	55.146	ug/l	98
40) Benzene	4.62	78	642963	54.487	ug/l	99
41) Methacrylonitrile	4.73	41	50106	46.758	ug/l	93
42) 1,2-Dichloroethane	4.93	62	143217	50.738	ug/l	95
43) Isopropyl Acetate	6.94	43	107206	43.222	ug/l #	95
44) Trichloroethene	5.49	130	186690	48.924	ug/l	100
45) 1,2-Dichloropropane	6.22	63	142698	50.028	ug/l	99
46) Dibromomethane	6.08	93	91790	52.266	ug/l	95
47) Bromodichloromethane	6.37	83	202980	52.779	ug/l	95
48) Methyl methacrylate	6.71	41	70729	47.385	ug/l	93
49) 1,4-Dioxane	6.69	88	13980	996.323	ug/l	89
51) 4-Methyl-2-Pentanone	8.25	43	390005	220.058	ug/l	100
52) Toluene	7.61	92	356031	49.748	ug/l	99
53) t-1,3-Dichloropropene	8.27	75	152705	47.708	ug/l	100
54) cis-1,3-Dichloropropene	7.29	75	235792	55.306	ug/l	99
55) 1,1,2-Trichloroethane	8.48	97	105162	50.013	ug/l	96
56) Ethyl methacrylate	8.61	69	109508	46.777	ug/l	99
57) 1,3-Dichloropropane	8.85	76	161289	45.955	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.29	63	74788	185.156	ug/l	98
59) 2-Hexanone	9.48	43	291569	234.697	ug/l	98
60) Dibromochloromethane	8.71	129	145388	49.676	ug/l	93
61) 1,2-Dibromoethane	8.98	107	108683	47.654	ug/l	98
64) Tetrachloroethene	8.15	164	168910	52.396	ug/l	99
65) Chlorobenzene	9.78	112	408290	51.016	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.92	131	166741	53.170	ug/l	100
67) Ethyl Benzene	9.89	91	685588	51.513	ug/l	97
68) m/p-Xylenes	10.12	106	534729	104.981	ug/l	97
69) o-Xylene	10.70	106	291961	53.718	ug/l	100
70) Styrene	10.78	104	376260	48.935	ug/l	99
71) Bromoform	10.76	173	80371	47.196	ug/l #	98
73) Isopropylbenzene	11.11	105	823646	57.270	ug/l	96
74) N-amyl acetate	11.36	43	177090	51.301	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.69	83	124457	48.303	ug/l	96
76) 1,2,3-Trichloropropane	11.79	75	82768	47.248	ug/l	100
77) Bromobenzene	11.49	156	196318	55.255	ug/l	98
78) n-propylbenzene	11.59	91	926522	56.141	ug/l	99
79) 2-Chlorotoluene	11.72	91	510279	55.208	ug/l	100
80) 1,3,5-Trimethylbenzene	11.82	105	630038	54.812	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	42852m	51.025	ug/l	
82) 4-Chlorotoluene	11.89	91	503863	52.521	ug/l	99
83) tert-Butylbenzene	12.12	119	685917	53.876	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	623491	54.598	ug/l	100
85) sec-Butylbenzene	12.30	105	926953	56.303	ug/l	100
86) p-Isopropyltoluene	12.46	119	757988	54.859	ug/l	98
87) 1,3-Dichlorobenzene	12.47	146	349009	50.387	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	354603	53.232	ug/l	100
89) n-Butylbenzene	12.84	91	737191	56.502	ug/l	95
90) Hexachloroethane	12.91	117	189121	58.852	ug/l	93
91) 1,2-Dichlorobenzene	12.94	146	338631	51.399	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.64	75	20933	51.243	ug/l	75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	257032	54.429	ug/l	98
94) Hexachlorobutadiene	14.18	225	164905	56.542	ug/l	98
95) Naphthalene	14.45	128	442094	53.508	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	232769	53.703	ug/l	99

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

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