

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012319\
 Data File : VF061478.D
 Acq On : 23 Jan 2019 10:29
 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
 1/24/2019 12:56:35 PM

Quant Time: Jan 24 03:05:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	188077	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.58	114	326961	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.75	117	292060	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.53	152	141389	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	106647	45.93	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	91.86%	
35) Dibromofluoromethane	4.09	113	130240	50.48	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	100.96%	
50) Toluene-d8	7.53	98	358538	50.72	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	101.44%	
62) 4-Bromofluorobenzene	11.39	95	158661	48.04	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	96.08%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	178979	48.432	ug/l	89
3) Chloromethane	1.09	50	147623	54.481	ug/l	99
4) Vinyl Chloride	1.13	62	126318	52.406	ug/l	99
5) Bromomethane	1.30	94	82206	52.301	ug/l	99
6) Chloroethane	1.38	64	57968	54.275	ug/l	92
7) Trichlorofluoromethane	1.48	101	221694	47.311	ug/l	95
8) Diethyl Ether	1.62	74	30669	51.080	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.82	101	113665	50.483	ug/l	96
10) Methyl Iodide	1.89	142	182580m	52.307	ug/l	
11) Tert butyl alcohol	2.55	59	22587	229.804	ug/l #	90
12) 1,1-Dichloroethene	1.78	96	91234	54.541	ug/l	91
13) Acrolein	1.99	56	21720	256.285	ug/l	93
14) Allyl chloride	2.09	41	159655	80.697	ug/l	87
15) Acrylonitrile	2.93	53	67079	266.435	ug/l	99
16) Acetone	2.22	43	159335	342.045	ug/l	95
17) Carbon Disulfide	1.79	76	282735m	54.208	ug/l	
18) Methyl Acetate	2.33	43	41986	45.448	ug/l	97
19) Methyl tert-butyl Ether	2.41	73	178137	47.505	ug/l	98
20) Methylene Chloride	2.17	84	84697m	53.692	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	89446	48.601	ug/l	95
22) Diisopropyl ether	2.79	45	308818	51.878	ug/l	99
23) Vinyl Acetate	3.17	43	689260	263.077	ug/l	99
24) 1,1-Dichloroethane	2.86	63	188739	50.518	ug/l	98
25) 2-Butanone	4.31	43	213988	276.236	ug/l	97
26) 2,2-Dichloropropane	3.58	77	118945	51.818	ug/l	97
27) cis-1,2-Dichloroethene	3.46	96	139040	51.179	ug/l	98
28) Bromochloromethane	3.69	49	77388	46.081	ug/l #	95
29) Tetrahydrofuran	4.05	42	75720	227.004	ug/l	98
30) Chloroform	3.84	83	261958	51.954	ug/l	97
31) Cyclohexane	3.67	56	185585	49.728	ug/l	91
32) 1,1,1-Trichloroethane	4.07	97	184973	50.032	ug/l	93
36) 1,1-Dichloropropene	4.26	75	192506	50.780	ug/l	98
37) Ethyl Acetate	4.09	43	67428	44.496	ug/l	93
38) Carbon Tetrachloride	3.97	117	173616	52.386	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	215846	52.539	ug/l	98
40) Benzene	4.61	78	417433	49.485	ug/l	100
41) Methacrylonitrile	4.72	41	37690	46.742	ug/l	93
42) 1,2-Dichloroethane	4.92	62	140081	46.601	ug/l	99
43) Isopropyl Acetate	6.94	43	92070	48.410	ug/l #	90
44) Trichloroethene	5.48	130	136008	52.559	ug/l	99
45) 1,2-Dichloropropane	6.21	63	114593	51.760	ug/l	95
46) Dibromomethane	6.06	93	70968	48.208	ug/l	90
47) Bromodichloromethane	6.36	83	184313	50.603	ug/l	98
48) Methyl methacrylate	6.69	41	61334	48.025	ug/l #	90
49) 1,4-Dioxane	6.68	88	9014	1011.951	ug/l #	76
51) 4-Methyl-2-Pentanone	8.23	43	318503	227.797	ug/l	99
52) Toluene	7.60	92	281070	50.597	ug/l	98
53) t-1,3-Dichloropropene	8.26	75	138899	48.025	ug/l	95
54) cis-1,3-Dichloropropene	7.28	75	203842	56.385	ug/l	99
55) 1,1,2-Trichloroethane	8.47	97	79818	50.598	ug/l	95
56) Ethyl methacrylate	8.60	69	85734	46.714	ug/l	96
57) 1,3-Dichloropropane	8.83	76	142514	48.199	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.28	63	42468	223.896	ug/l	93
59) 2-Hexanone	9.47	43	281188	288.402	ug/l	95
60) Dibromochloromethane	8.70	129	116029	50.312	ug/l	95
61) 1,2-Dibromoethane	8.96	107	84030	46.531	ug/l	87
64) Tetrachloroethene	8.13	164	112763	51.342	ug/l	98
65) Chlorobenzene	9.78	112	300737	50.636	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.91	131	124881	52.782	ug/l	97
67) Ethyl Benzene	9.88	91	575111	53.000	ug/l	99
68) m/p-Xylenes	10.11	106	399243	102.295	ug/l	98
69) o-Xylene	10.69	106	229681	54.298	ug/l	96
70) Styrene	10.77	104	294040	50.783	ug/l	99
71) Bromoform	10.76	173	54152	50.940	ug/l #	95
73) Isopropylbenzene	11.10	105	642819	55.900	ug/l	99
74) N-amyl acetate	11.36	43	146186	53.761	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.68	83	105732	51.612	ug/l	97
76) 1,2,3-Trichloropropane	11.77	75	76278	51.819	ug/l	97
77) Bromobenzene	11.48	156	132333	54.490	ug/l	91
78) n-propylbenzene	11.58	91	761772	55.089	ug/l	98
79) 2-Chlorotoluene	11.70	91	433782	54.367	ug/l	95
80) 1,3,5-Trimethylbenzene	11.81	105	504675	54.382	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	32764m	51.202	ug/l	
82) 4-Chlorotoluene	11.88	91	418009	51.918	ug/l	99
83) tert-Butylbenzene	12.12	119	532000	55.386	ug/l	95
84) 1,2,4-Trimethylbenzene	12.19	105	499539	52.258	ug/l	97
85) sec-Butylbenzene	12.30	105	724841	55.568	ug/l	99
86) p-Isopropyltoluene	12.44	119	572868	53.500	ug/l	97
87) 1,3-Dichlorobenzene	12.46	146	237149	49.016	ug/l	97
88) 1,4-Dichlorobenzene	12.55	146	240897	52.492	ug/l	96
89) n-Butylbenzene	12.83	91	587824	53.230	ug/l	98
90) Hexachloroethane	12.90	117	145524	57.654	ug/l	86
91) 1,2-Dichlorobenzene	12.93	146	231860	51.036	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	18769	51.655	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	164057	51.549	ug/l	97
94) Hexachlorobutadiene	14.18	225	112163	56.796	ug/l	98
95) Naphthalene	14.44	128	293113	48.476	ug/l	99
96) 1,2,3-Trichlorobenzene	14.58	180	147954	50.221	ug/l	98

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

