

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111418\
 Data File : VF060720.D
 Acq On : 14 Nov 2018 11:48
 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
 11/15/2018 1:30:39 PM

Quant Time: Nov 15 06:52:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	220803	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.58	114	377454	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.75	117	357449	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	184072	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.82	65	116227	46.15	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	92.30%	
35) Dibromofluoromethane	4.09	113	135603	47.79	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	95.58%	
50) Toluene-d8	7.53	98	373182	51.36	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	102.72%	
62) 4-Bromofluorobenzene	11.40	95	170432	50.83	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	198817	50.31	ug/l	97
3) Chloromethane	1.09	50	123817	50.52	ug/l	97
4) Vinyl Chloride	1.14	62	116540	53.16	ug/l	95
5) Bromomethane	1.32	94	76432	54.89	ug/l	91
6) Chloroethane	1.37	64	50075	58.38	ug/l	94
7) Trichlorofluoromethane	1.48	101	250892m	51.75	ug/l	
8) Diethyl Ether	1.62	74	31823	51.23	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.81	101	120645	52.81	ug/l	96
10) Methyl Iodide	1.88	142	189800m	51.78	ug/l	
11) Tert butyl alcohol	2.56	59	26141	228.07	ug/l	99
12) 1,1-Dichloroethene	1.77	96	95805	53.18	ug/l	98
13) Acrolein	1.99	56	29103	277.69	ug/l	99
14) Allyl chloride	2.09	41	171116	54.22	ug/l	92
15) Acrylonitrile	2.92	53	61266	250.84	ug/l	96
16) Acetone	2.22	43	149145	277.06	ug/l	96
17) Carbon Disulfide	1.79	76	294734m	54.13	ug/l	
18) Methyl Acetate	2.33	43	42403	47.97	ug/l	96
19) Methyl tert-butyl Ether	2.41	73	213171	49.33	ug/l	99
20) Methylene Chloride	2.17	84	95801m	53.76	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	98236	52.20	ug/l	94
22) Diisopropyl ether	2.78	45	316208	51.90	ug/l	99
23) Vinyl Acetate	3.16	43	762341	265.71	ug/l	100
24) 1,1-Dichloroethane	2.86	63	199323	54.04	ug/l	99
25) 2-Butanone	4.31	43	239173	270.12	ug/l	99
26) 2,2-Dichloropropane	3.58	77	158361	54.56	ug/l	93
27) cis-1,2-Dichloroethene	3.46	96	167299	52.25	ug/l	95
28) Bromochloromethane	3.69	49	91037	47.49	ug/l	92
29) Tetrahydrofuran	4.05	42	91179	249.65	ug/l	98
30) Chloroform	3.83	83	292295	49.39	ug/l	96
31) Cyclohexane	3.67	56	231391	51.69	ug/l	98
32) 1,1,1-Trichloroethane	4.07	97	237301	50.92	ug/l	95
36) 1,1-Dichloropropene	4.26	75	226041	51.64	ug/l	100
37) Ethyl Acetate	4.09	43	79529	48.87	ug/l	93
38) Carbon Tetrachloride	3.97	117	222747	52.44	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	261564	51.50	ug/l	97
40) Benzene	4.61	78	496212	50.85	ug/l	98
41) Methacrylonitrile	4.72	41	44547	51.47	ug/l	94
42) 1,2-Dichloroethane	4.92	62	164947	48.91	ug/l	99
43) Isopropyl Acetate	6.94	43	105216	48.76	ug/l #	98
44) Trichloroethene	5.48	130	155759	50.59	ug/l	95
45) 1,2-Dichloropropane	6.22	63	125838	49.56	ug/l	97
46) Dibromomethane	6.06	93	82822	49.41	ug/l	91
47) Bromodichloromethane	6.37	83	208399	48.69	ug/l	99
48) Methyl methacrylate	6.69	41	67918	47.56	ug/l	98
49) 1,4-Dioxane	6.68	88	13600	1018.26	ug/l #	89
51) 4-Methyl-2-Pentanone	8.24	43	378966	242.83	ug/l	99
52) Toluene	7.60	92	330747	50.58	ug/l	97
53) t-1,3-Dichloropropene	8.26	75	160107	46.70	ug/l	94
54) cis-1,3-Dichloropropene	7.28	75	213441	47.93	ug/l	96
55) 1,1,2-Trichloroethane	8.47	97	90560	48.47	ug/l	97
56) Ethyl methacrylate	8.60	69	104414	49.21	ug/l	96
57) 1,3-Dichloropropane	8.83	76	162540	50.20	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.60	63	46832	241.61	ug/l	100
59) 2-Hexanone	9.47	43	300503	273.99	ug/l	98
60) Dibromochloromethane	8.70	129	132210	49.65	ug/l	92
61) 1,2-Dibromoethane	8.97	107	99835	50.81	ug/l	100
64) Tetrachloroethene	8.13	164	135262	47.79	ug/l	99
65) Chlorobenzene	9.78	112	364574	50.54	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.91	131	149723	47.59	ug/l	99
67) Ethyl Benzene	9.88	91	626564	46.08	ug/l	99
68) m/p-Xylenes	10.12	106	448453	92.30	ug/l	97
69) o-Xylene	10.70	106	269187	49.28	ug/l	90
70) Styrene	10.78	104	348009	46.94	ug/l	98
71) Bromoform	10.76	173	67709	47.86	ug/l	95
73) Isopropylbenzene	11.11	105	792960	53.52	ug/l	98
74) N-amyl acetate	11.36	43	182883	54.22	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.68	83	119266	48.69	ug/l	96
76) 1,2,3-Trichloropropane	11.78	75	86826	47.73	ug/l	100
77) Bromobenzene	11.49	156	159926	51.85	ug/l	88
78) n-propylbenzene	11.59	91	833316	48.22	ug/l	99
79) 2-Chlorotoluene	11.70	91	499901	49.77	ug/l	96
80) 1,3,5-Trimethylbenzene	11.81	105	617687	52.51	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	40598m	45.42	ug/l	
82) 4-Chlorotoluene	11.89	91	524125	50.94	ug/l	95
83) tert-Butylbenzene	12.12	119	658512	52.72	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	620692	51.02	ug/l	100
85) sec-Butylbenzene	12.30	105	872898	51.52	ug/l	100
86) p-Isopropyltoluene	12.44	119	714630	50.50	ug/l	95
87) 1,3-Dichlorobenzene	12.46	146	297198	48.42	ug/l	100
88) 1,4-Dichlorobenzene	12.55	146	308072	52.23	ug/l	97
89) n-Butylbenzene	12.83	91	725878	50.27	ug/l	97
90) Hexachloroethane	12.91	117	181618	52.48	ug/l	93
91) 1,2-Dichlorobenzene	12.93	146	284172	49.17	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	21619	46.96	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	200649	48.31	ug/l	97
94) Hexachlorobutadiene	14.18	225	141338	52.07	ug/l	97
95) Naphthalene	14.45	128	396923	52.37	ug/l	100
96) 1,2,3-Trichlorobenzene	14.59	180	193606	50.44	ug/l	99

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

