

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042219\
 Data File : VF062238.D
 Acq On : 22 Apr 2019 11:08
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/24/2019 8:29:13 AM

Quant Time: Apr 23 02:32:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 23:52:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	475119	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.78	114	710597	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.91	117	559712	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	288129	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	220450	50.60	ug/l	0.02
Spiked Amount 50.000			Recovery	=	101.20%	
35) Dibromofluoromethane	4.31	113	275581	44.34	ug/l	0.02
Spiked Amount 50.000			Recovery	=	88.68%	
50) Toluene-d8	7.71	98	789959	50.21	ug/l	0.02
Spiked Amount 50.000			Recovery	=	100.42%	
62) 4-Bromofluorobenzene	11.50	95	274550	45.36	ug/l	0.02
Spiked Amount 50.000			Recovery	=	90.72%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	323046	44.741	ug/l	97
3) Chloromethane	1.15	50	330032	44.223	ug/l	100
4) Vinyl Chloride	1.20	62	305422	47.635	ug/l	100
5) Bromomethane	1.39	94	192970	51.809	ug/l	95
6) Chloroethane	1.45	64	137299	51.224	ug/l	99
7) Trichlorofluoromethane	1.56	101	419377	51.486	ug/l	92
8) Diethyl Ether	1.71	74	76709	45.248	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.91	101	272823	49.029	ug/l	99
10) Methyl Iodide	1.99	142	496068	50.182	ug/l	91
11) Tert butyl alcohol	2.70	59	60104	198.473	ug/l	99
12) 1,1-Dichloroethene	1.87	96	261689	49.444	ug/l	95
13) Acrolein	2.10	56	34661	261.740	ug/l	86
14) Allyl chloride	2.19	41	350378m	57.685	ug/l	
15) Acrylonitrile	3.09	53	227735	246.906	ug/l	98
16) Acetone	2.34	43	282336	271.127	ug/l #	78
17) Carbon Disulfide	1.92	76	715803	48.671	ug/l	99
18) Methyl Acetate	2.46	43	98646	43.179	ug/l	100
19) Methyl tert-butyl Ether	2.55	73	455622	48.758	ug/l	98
20) Methylene Chloride	2.33	84	229133m	44.057	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	250202	47.803	ug/l	97
22) Diisopropyl ether	2.94	45	728869	46.911	ug/l	97
23) Vinyl Acetate	3.35	43	1637226	221.167	ug/l	99
24) 1,1-Dichloroethane	3.01	63	415199	48.851	ug/l	98
25) 2-Butanone	4.52	43	451914	217.036	ug/l	97
26) 2,2-Dichloropropane	3.78	77	215121	50.132	ug/l	96
27) cis-1,2-Dichloroethene	3.65	96	313431	46.243	ug/l	97
28) Bromochloromethane	3.90	49	175954	43.216	ug/l #	91
29) Tetrahydrofuran	4.26	42	183113	194.289	ug/l	98
30) Chloroform	4.06	83	498902	47.762	ug/l	98
31) Cyclohexane	3.88	56	445767	43.764	ug/l	99
32) 1,1,1-Trichloroethane	4.29	97	383186	50.117	ug/l #	87
36) 1,1-Dichloropropene	4.48	75	389616	45.731	ug/l	100
37) Ethyl Acetate	4.30	43	151338	37.644	ug/l #	99
38) Carbon Tetrachloride	4.19	117	340771m	45.189	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	506298	49.634	ug/l	95
40) Benzene	4.83	78	1008144	45.114	ug/l	98
41) Methacrylonitrile	4.94	41	95479	41.173	ug/l #	66
42) 1,2-Dichloroethane	5.13	62	283424	47.976	ug/l	99
43) Isopropyl Acetate	7.11	43	176392	41.717	ug/l #	99
44) Trichloroethene	5.69	130	326015	53.989	ug/l	95
45) 1,2-Dichloropropane	6.41	63	234404	47.620	ug/l	96
46) Dibromomethane	6.27	93	161908	49.438	ug/l	95
47) Bromodichloromethane	6.56	83	358386	48.493	ug/l #	98
48) Methyl methacrylate	6.88	41	113043	40.681	ug/l	97
49) 1,4-Dioxane	6.87	88	25085	787.141	ug/l	95
51) 4-Methyl-2-Pentanone	8.40	43	657548	209.080	ug/l	98
52) Toluene	7.78	92	610617	51.837	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	256091	46.135	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	381965	50.872	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	159282	48.269	ug/l	95
56) Ethyl methacrylate	8.76	69	172084	45.867	ug/l	98
57) 1,3-Dichloropropane	9.00	76	259509	48.701	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.45	63	244166	224.152	ug/l	93
59) 2-Hexanone	9.63	43	456704	232.879	ug/l	96
60) Dibromochloromethane	8.86	129	263984	53.791	ug/l	97
61) 1,2-Dibromoethane	9.13	107	192447	51.764	ug/l	98
64) Tetrachloroethene	8.31	164	255466	50.561	ug/l	98
65) Chlorobenzene	9.93	112	618853	51.853	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	284652	50.931	ug/l	99
67) Ethyl Benzene	10.03	91	1045469	48.174	ug/l	97
68) m/p-Xylenes	10.26	106	787757	98.605	ug/l	93
69) o-Xylene	10.82	106	433365	48.858	ug/l	99
70) Styrene	10.89	104	582267	46.517	ug/l	99
71) Bromoform	10.88	173	139038	47.118	ug/l #	98
73) Isopropylbenzene	11.21	105	1184612	47.862	ug/l	98
74) N-amyl acetate	11.45	43	266578	45.183	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.77	83	195034	45.820	ug/l	98
76) 1,2,3-Trichloropropane	11.86	75	125764	42.945	ug/l #	64
77) Bromobenzene	11.58	156	282740	53.327	ug/l	91
78) n-propylbenzene	11.67	91	1252624	47.976	ug/l	97
79) 2-Chlorotoluene	11.80	91	759267	47.940	ug/l	96
80) 1,3,5-Trimethylbenzene	11.89	105	988450	47.950	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	66787m	44.718	ug/l	
82) 4-Chlorotoluene	11.97	91	729367	47.652	ug/l	96
83) tert-Butylbenzene	12.20	119	1061402	49.790	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	961281	48.189	ug/l	97
85) sec-Butylbenzene	12.37	105	1326011	47.912	ug/l	98
86) p-Isopropyltoluene	12.52	119	1138423	48.492	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	487956	49.595	ug/l	98
88) 1,4-Dichlorobenzene	12.62	146	481896	50.778	ug/l	98
89) n-Butylbenzene	12.90	91	1058296	55.370	ug/l	97
90) Hexachloroethane	12.98	117	302404	50.162	ug/l	91
91) 1,2-Dichlorobenzene	13.00	146	481162	50.647	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	35784	42.789	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	400122	50.337	ug/l	99
94) Hexachlorobutadiene	14.23	225	289053	53.033	ug/l	99
95) Naphthalene	14.50	128	702070	50.513	ug/l	100
96) 1,2,3-Trichlorobenzene	14.63	180	392752	51.467	ug/l	99

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

