

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112618\
 Data File : VF060832.D
 Acq On : 26 Nov 2018 19:57
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 11/27/2018 3:17:12 PM

Quant Time: Nov 27 01:12:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 00:28:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.91	168	182629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.64	114	331413	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.81	117	302857	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.58	152	151307	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.89	65	337550	159.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	319.12%	
35) Dibromofluoromethane	4.16	113	337635	131.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	263.66%	
50) Toluene-d8	7.59	98	972578	129.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	259.68%	
62) 4-Bromofluorobenzene	11.44	95	454572	131.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	262.08%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	384498	121.962	ug/l	98
3) Chloromethane	1.11	50	246514	127.369	ug/l	95
4) Vinyl Chloride	1.16	62	230140	130.753	ug/l	94
5) Bromomethane	1.34	94	154897	135.902	ug/l	98
6) Chloroethane	1.41	64	93049	135.086	ug/l	95
7) Trichlorofluoromethane	1.50	101	508803	131.377	ug/l	96
8) Diethyl Ether	1.64	74	65031	128.532	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.85	101	232951	125.344	ug/l	98
10) Methyl Iodide	1.93	142	389776m	131.648	ug/l	
11) Tert butyl alcohol	2.60	59	62574	670.015	ug/l	93
12) 1,1-Dichloroethene	1.81	96	197969	133.793	ug/l	97
13) Acrolein	2.02	56	60920	689.887	ug/l	97
14) Allyl chloride	2.12	41	242278	94.063	ug/l	99
15) Acrylonitrile	2.97	53	140498	704.207	ug/l	96
16) Acetone	2.26	43	265839	622.709	ug/l	97
17) Carbon Disulfide	1.85	76	533115m	122.755	ug/l	
18) Methyl Acetate	2.37	43	98413	138.014	ug/l	98
19) Methyl tert-butyl Ether	2.45	73	454225	130.114	ug/l	99
20) Methylene Chloride	2.20	84	176659m	107.479	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	193356m	128.311	ug/l	
22) Diisopropyl ether	2.83	45	704288	141.375	ug/l	97
23) Vinyl Acetate	3.22	43	1664222	717.695	ug/l	97
24) 1,1-Dichloroethane	2.90	63	420406	138.038	ug/l	98
25) 2-Butanone	4.37	43	479181	665.430	ug/l	98
26) 2,2-Dichloropropane	3.63	77	240574	103.853	ug/l	100
27) cis-1,2-Dichloroethene	3.51	96	326240	127.418	ug/l	98
28) Bromochloromethane	3.75	49	194044	126.230	ug/l	94
29) Tetrahydrofuran	4.11	42	192047	645.448	ug/l	98
30) Chloroform	3.90	83	601158	126.161	ug/l	97
31) Cyclohexane	3.72	56	400675m	112.275	ug/l	
32) 1,1,1-Trichloroethane	4.14	97	428785m	114.629	ug/l	
36) 1,1-Dichloropropene	4.33	75	452715	118.386	ug/l	97
37) Ethyl Acetate	4.15	43	179252	124.221	ug/l #	91
38) Carbon Tetrachloride	4.03	117	365584	98.297	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.49	83	477600m	109.560	ug/l	
40) Benzene	4.67	78	976364	114.831	ug/l	99
41) Methacrylonitrile	4.79	41	104780	121.259	ug/l	95
42) 1,2-Dichloroethane	4.99	62	388334	129.520	ug/l	96
43) Isopropyl Acetate	6.99	43	261513	135.839	ug/l #	96
44) Trichloroethene	5.54	130	302943	111.591	ug/l	93
45) 1,2-Dichloropropane	6.27	63	277133	123.055	ug/l	99
46) Dibromomethane	6.13	93	193940	131.416	ug/l	97
47) Bromodichloromethane	6.43	83	490653	130.408	ug/l	96
48) Methyl methacrylate	6.75	41	178809	138.820	ug/l	95
49) 1,4-Dioxane	6.74	88	25865	2200.389	ug/l	88
51) 4-Methyl-2-Pentanone	8.29	43	832769	604.400	ug/l	99
52) Toluene	7.66	92	646322	113.238	ug/l	99
53) t-1,3-Dichloropropene	8.32	75	386692	126.762	ug/l	98
54) cis-1,3-Dichloropropene	7.34	75	494313	123.946	ug/l	99
55) 1,1,2-Trichloroethane	8.53	97	207526	126.078	ug/l	99
56) Ethyl methacrylate	8.66	69	244380	129.308	ug/l	98
57) 1,3-Dichloropropane	8.89	76	386726	133.240	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.33	63	138835	808.362	ug/l	98
59) 2-Hexanone	9.53	43	567020	582.532	ug/l	100
60) Dibromochloromethane	8.75	129	331915	139.460	ug/l	98
61) 1,2-Dibromoethane	9.02	107	230928	132.936	ug/l	99
64) Tetrachloroethene	8.19	164	289459	124.439	ug/l	96
65) Chlorobenzene	9.84	112	760263	125.111	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.97	131	322011	123.752	ug/l	98
67) Ethyl Benzene	9.94	91	1282744	112.709	ug/l	94
68) m/p-Xylenes	10.17	106	957783	236.319	ug/l	88
69) o-Xylene	10.75	106	539202	118.782	ug/l	100
70) Styrene	10.83	104	719307	116.059	ug/l	98
71) Bromoform	10.81	173	171421	144.995	ug/l	98
73) Isopropylbenzene	11.15	105	1426877	117.680	ug/l	95
74) N-amyl acetate	11.40	43	353889	126.484	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.72	83	268349	134.310	ug/l	98
76) 1,2,3-Trichloropropane	11.82	75	193258	128.725	ug/l	96
77) Bromobenzene	11.53	156	341157	132.768	ug/l	90
78) n-propylbenzene	11.62	91	1645108	114.829	ug/l	92
79) 2-Chlorotoluene	11.75	91	997169	121.107	ug/l	94
80) 1,3,5-Trimethylbenzene	11.85	105	1159385	119.901	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.90	75	98839m	135.769	ug/l	
82) 4-Chlorotoluene	11.93	91	1031112	121.874	ug/l	91
83) tert-Butylbenzene	12.16	119	1195142	118.166	ug/l	93
84) 1,2,4-Trimethylbenzene	12.24	105	1154776	115.253	ug/l	93
85) sec-Butylbenzene	12.34	105	1557949	112.625	ug/l	93
86) p-Isopropyltoluene	12.48	119	1267815	110.404	ug/l	94
87) 1,3-Dichlorobenzene	12.50	146	566221	112.299	ug/l	96
88) 1,4-Dichlorobenzene	12.59	146	622507	128.869	ug/l	95
89) n-Butylbenzene	12.87	91	1256504	105.563	ug/l	94
90) Hexachloroethane	12.95	117	368697	131.057	ug/l	77
91) 1,2-Dichlorobenzene	12.97	146	595456	124.571	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.67	75	56138	149.603	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	413220	122.128	ug/l	98
94) Hexachlorobutadiene	14.22	225	282509	128.699	ug/l	97
95) Naphthalene	14.49	128	893626	144.391	ug/l	100
96) 1,2,3-Trichlorobenzene	14.62	180	426107	137.463	ug/l	96

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

