

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051319\
 Data File : VF062559.D
 Acq On : 13 May 2019 23:23
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/14/2019 11:34:44 AM

Quant Time: May 14 09:03:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	318618	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.79	114	416661	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.93	117	370612	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	229600	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	164929	54.77	ug/l	0.03
Spiked Amount 50.000			Recovery	=	109.54%	
35) Dibromofluoromethane	4.33	113	190825	57.49	ug/l	0.03
Spiked Amount 50.000			Recovery	=	114.98%	
50) Toluene-d8	7.73	98	450597	56.08	ug/l	0.03
Spiked Amount 50.000			Recovery	=	112.16%	
62) 4-Bromofluorobenzene	11.51	95	209266	57.73	ug/l	0.02
Spiked Amount 50.000			Recovery	=	115.46%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.01	85	153787	41.705	ug/l	99
3) Chloromethane	1.15	50	108265	44.517	ug/l	96
4) Vinyl Chloride	1.20	62	107643	44.374	ug/l	100
5) Bromomethane	1.40	94	89577	48.882	ug/l	100
6) Chloroethane	1.45	64	59070	48.435	ug/l	98
7) Trichlorofluoromethane	1.56	101	262059	52.067	ug/l	95
8) Diethyl Ether	1.72	74	37508	49.252	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.92	101	138765	48.292	ug/l	93
10) Methyl Iodide	1.99	142	242260	51.160	ug/l	99
11) Tert butyl alcohol	2.71	59	39391	231.470	ug/l	99
12) 1,1-Dichloroethene	1.88	96	110087	45.066	ug/l	98
13) Acrolein	2.12	56	27786	265.455	ug/l	100
14) Allyl chloride	2.21	41	160498m	74.378	ug/l	
15) Acrylonitrile	3.10	53	85182	264.245	ug/l	94
16) Acetone	2.36	43	141006	231.492	ug/l	99
17) Carbon Disulfide	1.92	76	213561	40.095	ug/l	97
18) Methyl Acetate	2.47	43	59262	53.573	ug/l	98
19) Methyl tert-butyl Ether	2.56	73	241275	47.848	ug/l	94
20) Methylene Chloride	2.34	84	111347m	50.525	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	110197	47.348	ug/l	96
22) Diisopropyl ether	2.95	45	335704	49.776	ug/l	98
23) Vinyl Acetate	3.36	43	734929	244.500	ug/l	98
24) 1,1-Dichloroethane	3.03	63	215513	52.872	ug/l	99
25) 2-Butanone	4.54	43	182835	238.922	ug/l	98
26) 2,2-Dichloropropane	3.79	77	131990	57.985	ug/l	98
27) cis-1,2-Dichloroethene	3.66	96	148728	51.122	ug/l	98
28) Bromochloromethane	3.93	49	96963	52.452	ug/l	94
29) Tetrahydrofuran	4.28	42	83046	236.123	ug/l	99
30) Chloroform	4.08	83	289916	52.647	ug/l	93
31) Cyclohexane	3.90	56	148783	45.731	ug/l	98
32) 1,1,1-Trichloroethane	4.31	97	249219	52.805	ug/l	99
36) 1,1-Dichloropropene	4.50	75	176061	49.189	ug/l	98
37) Ethyl Acetate	4.32	43	76410	55.390	ug/l #	98
38) Carbon Tetrachloride	4.21	117	239460m	65.354	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	173855	48.432	ug/l	96
40) Benzene	4.85	78	400409	50.802	ug/l	97
41) Methacrylonitrile	4.95	41	41352	48.182	ug/l	92
42) 1,2-Dichloroethane	5.15	62	176641	53.585	ug/l	98
43) Isopropyl Acetate	7.13	43	80410	49.391	ug/l	93
44) Trichloroethene	5.70	130	154159	53.244	ug/l	99
45) 1,2-Dichloropropane	6.43	63	97449	54.586	ug/l	96
46) Dibromomethane	6.29	93	84085	56.807	ug/l	97
47) Bromodichloromethane	6.58	83	200996	54.313	ug/l	96
48) Methyl methacrylate	6.90	41	58396	50.757	ug/l	91
49) 1,4-Dioxane	6.90	88	9869	831.842	ug/l	88
51) 4-Methyl-2-Pentanone	8.42	43	337067	273.232	ug/l	99
52) Toluene	7.80	92	258399	53.143	ug/l	97
53) t-1,3-Dichloropropene	8.44	75	147012	52.524	ug/l	95
54) cis-1,3-Dichloropropene	7.48	75	173808	53.356	ug/l	96
55) 1,1,2-Trichloroethane	8.65	97	91945	59.567	ug/l	96
56) Ethyl methacrylate	8.78	69	80835	49.611	ug/l	99
57) 1,3-Dichloropropane	9.02	76	138247	59.294	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.47	63	118277	241.449	ug/l	97
59) 2-Hexanone	9.64	43	222982	261.354	ug/l	99
60) Dibromochloromethane	8.88	129	146334	57.965	ug/l	98
61) 1,2-Dibromoethane	9.15	107	100343	55.311	ug/l	97
64) Tetrachloroethene	8.33	164	149239	49.602	ug/l	95
65) Chlorobenzene	9.95	112	338487	55.200	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	161493	52.206	ug/l	99
67) Ethyl Benzene	10.05	91	558015	51.968	ug/l	97
68) m/p-Xylenes	10.28	106	409820	103.443	ug/l	100
69) o-Xylene	10.83	106	233160	54.464	ug/l	95
70) Styrene	10.91	104	331147	51.613	ug/l	99
71) Bromoform	10.89	173	90873	53.621	ug/l	97
73) Isopropylbenzene	11.22	105	693369	50.940	ug/l	99
74) N-amyl acetate	11.46	43	136317	46.648	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	121186	56.862	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	84843	52.179	ug/l #	100
77) Bromobenzene	11.59	156	189493	53.045	ug/l	99
78) n-propylbenzene	11.69	91	740611	51.106	ug/l	100
79) 2-Chlorotoluene	11.81	91	461510	51.215	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	573770	48.093	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	32603m	53.343	ug/l	
82) 4-Chlorotoluene	11.98	91	462639	51.982	ug/l	99
83) tert-Butylbenzene	12.21	119	615350	49.078	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	601340	51.506	ug/l	98
85) sec-Butylbenzene	12.38	105	799340	52.376	ug/l	99
86) p-Isopropyltoluene	12.53	119	712686	50.263	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	347679	53.290	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	327476	52.005	ug/l	99
89) n-Butylbenzene	12.91	91	639841	50.721	ug/l	99
90) Hexachloroethane	12.98	117	177899	50.249	ug/l	98
91) 1,2-Dichlorobenzene	13.01	146	333978	52.887	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	26166	54.802	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	287803	50.811	ug/l	99
94) Hexachlorobutadiene	14.24	225	208815	49.462	ug/l	98
95) Naphthalene	14.51	128	450807	52.939	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	287624	52.415	ug/l	99

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

