

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122818\
 Data File : VF061227.D
 Acq On : 28 Dec 2018 11:01
 Operator : VA/AP
 Sample : VF1228SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1228SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/2/2019 11:52:02 AM

Quant Time: Dec 29 01:25:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	191657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	338674	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.79	117	318718	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	155251	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	119135	48.33	ug/l	0.01
Spiked Amount 50.000			Recovery	=	96.66%	
35) Dibromofluoromethane	4.12	113	131054	48.31	ug/l	0.01
Spiked Amount 50.000			Recovery	=	96.62%	
50) Toluene-d8	7.57	98	387959	50.46	ug/l	0.01
Spiked Amount 50.000			Recovery	=	100.92%	
62) 4-Bromofluorobenzene	11.41	95	165118	46.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.18%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	337485	79.214	ug/l	100
3) Chloromethane	1.11	50	247117	101.259	ug/l	96
4) Vinyl Chloride	1.15	62	223049	98.525	ug/l	94
5) Bromomethane	1.33	94	140112	89.230	ug/l	96
6) Chloroethane	1.40	64	97968	93.916	ug/l	95
7) Trichlorofluoromethane	1.49	101	371237m	85.883	ug/l	
8) Diethyl Ether	1.63	74	61203	103.396	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.84	101	188215	83.978	ug/l	96
10) Methyl Iodide	1.91	142	327864m	92.804	ug/l	
11) Tert butyl alcohol	2.58	59	53841	541.255	ug/l	99
12) 1,1-Dichloroethene	1.81	96	160331	94.901	ug/l	90
13) Acrolein	2.00	56	26868	373.792	ug/l #	79
14) Allyl chloride	2.09	41	214327	121.905	ug/l	88
15) Acrylonitrile	2.95	53	134446	584.488	ug/l	96
16) Acetone	2.24	43	259131	525.846	ug/l #	92
17) Carbon Disulfide	1.84	76	453756m	88.875	ug/l	
18) Methyl Acetate	2.35	43	121058m	118.738	ug/l	
19) Methyl tert-butyl Ether	2.44	73	374374	99.833	ug/l	99
20) Methylene Chloride	2.18	84	162836m	108.678	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	142763	79.007	ug/l	92
22) Diisopropyl ether	2.80	45	614597	104.944	ug/l	95
23) Vinyl Acetate	3.19	43	1411966	522.620	ug/l	98
24) 1,1-Dichloroethane	2.87	63	343783	99.075	ug/l	99
25) 2-Butanone	4.34	43	412005	515.516	ug/l	99
26) 2,2-Dichloropropane	3.60	77	201355	101.117	ug/l	96
27) cis-1,2-Dichloroethene	3.48	96	278539	100.689	ug/l	94
28) Bromochloromethane	3.72	49	175338	99.588	ug/l	89
29) Tetrahydrofuran	4.07	42	166733	512.573	ug/l	98
30) Chloroform	3.87	83	504030	96.875	ug/l	96
31) Cyclohexane	3.69	56	348382m	96.756	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	273470	87.693	ug/l	95
36) 1,1-Dichloropropene	4.29	75	354855	86.804	ug/l	97
37) Ethyl Acetate	4.11	43	158505	Below Cal		87
38) Carbon Tetrachloride	4.00	117	278867	89.576	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	369837	100.842	ug/l	96
40) Benzene	4.64	78	803328	91.377	ug/l	97
41) Methacrylonitrile	4.75	41	89287	103.419	ug/l	91
42) 1,2-Dichloroethane	4.95	62	302188	90.485	ug/l	98
43) Isopropyl Acetate	6.96	43	213808	108.317	ug/l #	100
44) Trichloroethene	5.51	130	252232	91.003	ug/l	89
45) 1,2-Dichloropropane	6.24	63	221081	92.432	ug/l	98
46) Dibromomethane	6.10	93	155745	100.396	ug/l	98
47) Bromodichloromethane	6.39	83	393243	97.562	ug/l	97
48) Methyl methacrylate	6.72	41	136329	98.933	ug/l	97
49) 1,4-Dioxane	6.71	88	19204	1920.647	ug/l #	81
51) 4-Methyl-2-Pentanone	8.27	43	659335	487.044	ug/l	100
52) Toluene	7.64	92	525163	90.243	ug/l	97
53) t-1,3-Dichloropropene	8.29	75	296582	91.211	ug/l	100
54) cis-1,3-Dichloropropene	7.31	75	388432	95.180	ug/l	97
55) 1,1,2-Trichloroethane	8.49	97	176501	101.172	ug/l	98
56) Ethyl methacrylate	8.62	69	194701	103.139	ug/l	98
57) 1,3-Dichloropropane	8.86	76	307123	97.336	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.30	63	111927	308.715	ug/l	97
59) 2-Hexanone	9.50	43	478097	488.353	ug/l	97
60) Dibromochloromethane	8.72	129	237766	95.077	ug/l	97
61) 1,2-Dibromoethane	9.00	107	187819	100.805	ug/l	97
64) Tetrachloroethene	8.16	164	212221	86.559	ug/l	96
65) Chlorobenzene	9.81	112	608890	92.476	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.93	131	249406	92.691	ug/l	95
67) Ethyl Benzene	9.90	91	1072046	89.372	ug/l	97
68) m/p-Xylenes	10.14	106	753380	178.465	ug/l	89
69) o-Xylene	10.71	106	394043	84.164	ug/l	87
70) Styrene	10.79	104	534621	98.441	ug/l	98
71) Bromoform	10.78	173	121264	97.412	ug/l #	93
73) Isopropylbenzene	11.13	105	1155208	86.346	ug/l	100
74) N-amyl acetate	11.37	43	293196	98.709	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.70	83	210157	94.646	ug/l	100
76) 1,2,3-Trichloropropane	11.80	75	159671	96.627	ug/l	96
77) Bromobenzene	11.50	156	248687	86.350	ug/l	91
78) n-propylbenzene	11.60	91	1309204	118.144	ug/l	97
79) 2-Chlorotoluene	11.73	91	772336	84.152	ug/l	97
80) 1,3,5-Trimethylbenzene	11.83	105	898469	81.557	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.88	75	82491m	116.173	ug/l	
82) 4-Chlorotoluene	11.91	91	812311	85.558	ug/l	97
83) tert-Butylbenzene	12.13	119	904153	79.758	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	907828	82.637	ug/l	95
85) sec-Butylbenzene	12.31	105	1234312	83.434	ug/l	95
86) p-Isopropyltoluene	12.47	119	995806	81.094	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	437103	98.183	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	480758	90.908	ug/l	96
89) n-Butylbenzene	12.84	91	1016045	Below Cal		97
90) Hexachloroethane	12.92	117	283809	93.548	ug/l	84
91) 1,2-Dichlorobenzene	12.94	146	446591	86.739	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	47144	115.703	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	324427	88.850	ug/l	93
94) Hexachlorobutadiene	14.20	225	205459	88.346	ug/l	95
95) Naphthalene	14.46	128	673589	101.024	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	318808	94.446	ug/l	97

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

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