

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050719\
 Data File : VF062351.D
 Acq On : 7 May 2019 12:17
 Operator : FY/SY
 Sample : VF0507SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 11:10:35 AM

Quant Time: May 07 15:56:45 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	5.05	168	320262	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	418364	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	357628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	225415	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	158124	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
35) Dibromofluoromethane	4.30	113	184720	55.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.84%	
50) Toluene-d8	7.70	98	443949	55.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.06%	
62) 4-Bromofluorobenzene	11.49	95	200069	54.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	87545	23.619	ug/l	93
3) Chloromethane	1.15	50	54664	22.362	ug/l	99
4) Vinyl Chloride	1.18	62	53001	21.737	ug/l	95
5) Bromomethane	1.39	94	44370	22.748	ug/l	95
6) Chloroethane	1.44	64	28837	23.524	ug/l #	81
7) Trichlorofluoromethane	1.57	101	116471	23.022	ug/l	96
8) Diethyl Ether	1.71	74	15568	20.337	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.90	101	64969	22.494	ug/l	97
10) Methyl Iodide	1.97	142	108648	22.826	ug/l	97
11) Tert butyl alcohol	2.69	59	16413	95.951	ug/l #	85
12) 1,1-Dichloroethene	1.87	96	52245	21.277	ug/l #	88
13) Acrolein	2.09	56	12324	104.249	ug/l	91
14) Allyl chloride	2.19	41	87321	40.259	ug/l #	86
15) Acrylonitrile	3.09	53	36365	112.230	ug/l	92
16) Acetone	2.35	43	69954	114.255	ug/l	100
17) Carbon Disulfide	1.91	76	122096	22.805	ug/l #	92
18) Methyl Acetate	2.47	43	21701	17.393	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	109861	21.675	ug/l	96
20) Methylene Chloride	2.33	84	47649m	21.510	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	48966	20.931	ug/l	98
22) Diisopropyl ether	2.93	45	141507	20.874	ug/l	98
23) Vinyl Acetate	3.34	43	322793	106.837	ug/l	99
24) 1,1-Dichloroethane	3.01	63	89907	21.944	ug/l	99
25) 2-Butanone	4.53	43	85027	110.540	ug/l	98
26) 2,2-Dichloropropane	3.78	77	54223	23.699	ug/l	99
27) cis-1,2-Dichloroethene	3.64	96	61944	21.183	ug/l	93
28) Bromochloromethane	3.89	49	36476	19.630	ug/l	99
29) Tetrahydrofuran	4.26	42	36247	102.531	ug/l	99
30) Chloroform	4.04	83	121811	22.007	ug/l	99
31) Cyclohexane	3.86	56	75118	22.970	ug/l	95
32) 1,1,1-Trichloroethane	4.28	97	108044	22.775	ug/l #	91
36) 1,1-Dichloropropene	4.47	75	82337	22.910	ug/l	100
37) Ethyl Acetate	4.29	43	32313	19.919	ug/l #	90
38) Carbon Tetrachloride	4.18	117	83765m	20.850	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	82658	22.933	ug/l	97
40) Benzene	4.82	78	183816	23.227	ug/l	97
41) Methacrylonitrile	4.92	41	17309	20.086	ug/l #	71
42) 1,2-Dichloroethane	5.12	62	70151	21.194	ug/l	99
43) Isopropyl Acetate	7.11	43	34032	20.819	ug/l #	97
44) Trichloroethene	5.68	130	67655	23.272	ug/l	94
45) 1,2-Dichloropropane	6.40	63	38559	21.511	ug/l	99
46) Dibromomethane	6.25	93	31317	21.071	ug/l	92
47) Bromodichloromethane	6.55	83	81534	21.942	ug/l	99
48) Methyl methacrylate	6.87	41	22769	19.710	ug/l	92
49) 1,4-Dioxane	6.87	88	5013	414.276	ug/l	92
51) 4-Methyl-2-Pentanone	8.40	43	129815	104.802	ug/l	99
52) Toluene	7.78	92	107630	22.045	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	60578	21.555	ug/l	92
54) cis-1,3-Dichloropropene	7.45	75	69890	21.368	ug/l	93
55) 1,1,2-Trichloroethane	8.64	97	33952	21.907	ug/l #	83
56) Ethyl methacrylate	8.75	69	33930	20.739	ug/l	93
57) 1,3-Dichloropropane	8.99	76	49652	21.209	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.44	63	51731	105.173	ug/l	97
59) 2-Hexanone	9.62	43	92731	108.246	ug/l	98
60) Dibromochloromethane	8.85	129	56365	22.236	ug/l	97
61) 1,2-Dibromoethane	9.12	107	39436	21.649	ug/l	99
64) Tetrachloroethene	8.30	164	63347	21.819	ug/l	99
65) Chlorobenzene	9.93	112	132093	22.324	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.06	131	68078	22.806	ug/l	95
67) Ethyl Benzene	10.03	91	235511	22.729	ug/l	98
68) m/p-Xylenes	10.25	106	177626	46.462	ug/l	96
69) o-Xylene	10.81	106	95408	23.095	ug/l	92
70) Styrene	10.88	104	141587	22.869	ug/l	98
71) Bromoform	10.87	173	33785	20.659	ug/l #	96
73) Isopropylbenzene	11.21	105	302099	22.606	ug/l	99
74) N-amyl acetate	11.45	43	59027	20.574	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.76	83	41949	20.048	ug/l	94
76) 1,2,3-Trichloropropane	11.86	75	32612	20.429	ug/l #	100
77) Bromobenzene	11.57	156	74164	21.146	ug/l	99
78) n-propylbenzene	11.66	91	313664	22.046	ug/l	98
79) 2-Chlorotoluene	11.79	91	193630	21.887	ug/l	99
80) 1,3,5-Trimethylbenzene	11.89	105	251595	21.480	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	11539m	19.230	ug/l	
82) 4-Chlorotoluene	11.97	91	194215	22.227	ug/l	99
83) tert-Butylbenzene	12.19	119	274594	22.307	ug/l	96
84) 1,2,4-Trimethylbenzene	12.26	105	249377	21.756	ug/l	98
85) sec-Butylbenzene	12.36	105	320316	21.378	ug/l	98
86) p-Isopropyltoluene	12.51	119	317214	22.787	ug/l	100
87) 1,3-Dichlorobenzene	12.53	146	140144	21.879	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	137300	22.209	ug/l	99
89) n-Butylbenzene	12.89	91	285902	23.084	ug/l	96
90) Hexachloroethane	12.97	117	73811	21.236	ug/l	98
91) 1,2-Dichlorobenzene	12.99	146	135631	21.877	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.68	75	8651	18.455	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	122678	22.061	ug/l	97
94) Hexachlorobutadiene	14.22	225	92656	22.355	ug/l	96
95) Naphthalene	14.49	128	164742	19.705	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	114493	21.252	ug/l	98

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

