

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF051019\
 Data File : VF062435.D
 Acq On : 10 May 2019 23:02
 Operator : FY/SY
 Sample : VF0510SBS02
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBS02

Manual Integrations
 APPROVED

mohammad
 5/14/2019 8:35:48 AM

Quant Time: May 11 05:52:22 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	5.06	168	297682	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	406782	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.91	117	333824	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	209358	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	167032	59.37	ug/l	0.02
Spiked Amount 50.000			Recovery	=	118.74%	
35) Dibromofluoromethane	4.31	113	188688	58.22	ug/l	0.01
Spiked Amount 50.000			Recovery	=	116.44%	
50) Toluene-d8	7.72	98	406177	51.78	ug/l	0.01
Spiked Amount 50.000			Recovery	=	103.56%	
62) 4-Bromofluorobenzene	11.50	95	187651	53.02	ug/l	0.01
Spiked Amount 50.000			Recovery	=	106.04%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.01	85	77876	22.604	ug/l	96
3) Chloromethane	1.16	50	48335	21.272	ug/l	96
4) Vinyl Chloride	1.20	62	48834	21.547	ug/l	97
5) Bromomethane	1.40	94	40221	22.120	ug/l	93
6) Chloroethane	1.45	64	27442	24.084	ug/l	92
7) Trichlorofluoromethane	1.56	101	107439	22.848	ug/l	99
8) Diethyl Ether	1.71	74	15690	22.051	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.91	101	60933	22.697	ug/l	94
10) Methyl Iodide	1.99	142	106294	24.026	ug/l	98
11) Tert butyl alcohol	2.71	59	14507	91.242	ug/l #	91
12) 1,1-Dichloroethene	1.88	96	48853	21.405	ug/l	95
13) Acrolein	2.11	56	8850	75.296	ug/l	95
14) Allyl chloride	2.20	41	68091m	33.774	ug/l	
15) Acrylonitrile	3.09	53	32002	106.256	ug/l	97
16) Acetone	2.35	43	55647	97.782	ug/l	99
17) Carbon Disulfide	1.93	76	107468	21.595	ug/l #	93
18) Methyl Acetate	2.47	43	24987	22.343	ug/l	100
19) Methyl tert-butyl Ether	2.55	73	105440	22.381	ug/l	92
20) Methylene Chloride	2.34	84	49792m	24.183	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	48263	22.195	ug/l	93
22) Diisopropyl ether	2.94	45	143281	22.739	ug/l	92
23) Vinyl Acetate	3.36	43	301881	107.495	ug/l	99
24) 1,1-Dichloroethane	3.02	63	88797	23.317	ug/l	98
25) 2-Butanone	4.53	43	76128	106.478	ug/l	94
26) 2,2-Dichloropropane	3.78	77	48377	22.747	ug/l	96
27) cis-1,2-Dichloroethene	3.66	96	59525	21.899	ug/l	93
28) Bromochloromethane	3.91	49	32475	18.803	ug/l	94
29) Tetrahydrofuran	4.28	42	36281	110.412	ug/l	95
30) Chloroform	4.06	83	130084	25.284	ug/l	99
31) Cyclohexane	3.89	56	65117	21.422	ug/l	97
32) 1,1,1-Trichloroethane	4.29	97	108161m	24.529	ug/l	
36) 1,1-Dichloropropene	4.48	75	80392	23.006	ug/l	98
37) Ethyl Acetate	4.31	43	34891	22.772	ug/l #	94
38) Carbon Tetrachloride	4.20	117	98208	25.747	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	76154	21.730	ug/l	97
40) Benzene	4.84	78	174397	22.664	ug/l	96
41) Methacrylonitrile	4.94	41	20097	23.985	ug/l	93
42) 1,2-Dichloroethane	5.14	62	72703	22.591	ug/l	100
43) Isopropyl Acetate	7.12	43	31644	19.909	ug/l #	97
44) Trichloroethene	5.69	130	66538	23.539	ug/l	94
45) 1,2-Dichloropropane	6.41	63	40230	23.082	ug/l	89
46) Dibromomethane	6.28	93	32046	22.176	ug/l	94
47) Bromodichloromethane	6.56	83	80585	22.304	ug/l	86
48) Methyl methacrylate	6.89	41	21533	19.171	ug/l	91
49) 1,4-Dioxane	6.88	88	5069	431.360	ug/l #	88
51) 4-Methyl-2-Pentanone	8.41	43	121404	100.802	ug/l	99
52) Toluene	7.78	92	104170	21.944	ug/l	97
53) t-1,3-Dichloropropene	8.43	75	57644	21.095	ug/l	96
54) cis-1,3-Dichloropropene	7.47	75	67752	21.304	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	31540	20.930	ug/l	92
56) Ethyl methacrylate	8.77	69	31185	19.604	ug/l	99
57) 1,3-Dichloropropane	9.01	76	50694	22.271	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.46	63	47006	98.288	ug/l	97
59) 2-Hexanone	9.63	43	81370	97.689	ug/l	98
60) Dibromochloromethane	8.87	129	53495	21.705	ug/l	99
61) 1,2-Dibromoethane	9.13	107	37336	21.080	ug/l	96
64) Tetrachloroethene	8.32	164	65861	24.302	ug/l	92
65) Chlorobenzene	9.93	112	128669	23.296	ug/l	91
66) 1,1,1,2-Tetrachloroethane	10.07	131	64929	23.303	ug/l	96
67) Ethyl Benzene	10.03	91	220259	22.773	ug/l	99
68) m/p-Xylenes	10.27	106	162480	45.531	ug/l	97
69) o-Xylene	10.82	106	84961	22.033	ug/l	97
70) Styrene	10.90	104	127126	21.997	ug/l	99
71) Bromoform	10.88	173	32175	21.077	ug/l #	96
73) Isopropylbenzene	11.21	105	281345	22.668	ug/l	98
74) N-amyl acetate	11.45	43	54369	20.404	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	43078	22.167	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	32976	22.241	ug/l #	100
77) Bromobenzene	11.59	156	72659	22.306	ug/l	99
78) n-propylbenzene	11.68	91	297022	22.478	ug/l	97
79) 2-Chlorotoluene	11.80	91	184284	22.428	ug/l	98
80) 1,3,5-Trimethylbenzene	11.89	105	252277	23.190	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	7530	13.511	ug/l #	49
82) 4-Chlorotoluene	11.97	91	179553	22.125	ug/l	99
83) tert-Butylbenzene	12.20	119	255147	22.317	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	247316	23.231	ug/l	99
85) sec-Butylbenzene	12.37	105	315584	22.678	ug/l	99
86) p-Isopropyltoluene	12.53	119	288581	22.320	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	139730	23.488	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	129569	22.566	ug/l	99
89) n-Butylbenzene	12.90	91	265751	23.103	ug/l	97
90) Hexachloroethane	12.98	117	68430	21.197	ug/l	99
91) 1,2-Dichlorobenzene	13.00	146	133656	23.211	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	9253	21.253	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	120212	23.275	ug/l	99
94) Hexachlorobutadiene	14.23	225	94384	24.518	ug/l	96
95) Naphthalene	14.50	128	167479	21.569	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	118323	23.647	ug/l	98

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

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