

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051019\
 Data File : VF062417.D
 Acq On : 10 May 2019 12:19
 Operator : FY/SY
 Sample : VF0510SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/11/2019 3:54:10 PM

Quant Time: May 10 15:00:22 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	353294	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	433174	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.91	117	387247	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	246858	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	176864	52.97	ug/l	0.02
Spiked Amount 50.000			Recovery	=	105.94%	
35) Dibromofluoromethane	4.31	113	202247	58.60	ug/l	0.01
Spiked Amount 50.000			Recovery	=	117.20%	
50) Toluene-d8	7.72	98	467974	56.02	ug/l	0.01
Spiked Amount 50.000			Recovery	=	112.04%	
62) 4-Bromofluorobenzene	11.50	95	215397	57.15	ug/l	0.01
Spiked Amount 50.000			Recovery	=	114.30%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.01	85	87927	21.504	ug/l	84
3) Chloromethane	1.14	50	48777	18.088	ug/l	97
4) Vinyl Chloride	1.19	62	51222	19.043	ug/l	98
5) Bromomethane	1.39	94	41128	18.692	ug/l	98
6) Chloroethane	1.44	64	25822	19.095	ug/l	91
7) Trichlorofluoromethane	1.56	101	116507	20.876	ug/l	99
8) Diethyl Ether	1.71	74	16931	20.050	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.91	101	62738	19.691	ug/l	94
10) Methyl Iodide	1.98	142	111980	21.327	ug/l	99
11) Tert butyl alcohol	2.70	59	15156	80.319	ug/l #	89
12) 1,1-Dichloroethene	1.87	96	52041	19.213	ug/l	92
13) Acrolein	2.10	56	12562	94.574	ug/l	93
14) Allyl chloride	2.21	41	78526	32.819	ug/l	99
15) Acrylonitrile	3.09	53	31968	89.435	ug/l	93
16) Acetone	2.35	43	70048	103.712	ug/l	100
17) Carbon Disulfide	1.92	76	107951	18.278	ug/l	100
18) Methyl Acetate	2.46	43	26555	19.659	ug/l #	90
19) Methyl tert-butyl Ether	2.55	73	113050	20.219	ug/l	94
20) Methylene Chloride	2.33	84	54658	22.368	ug/l	98
21) trans-1,2-Dichloroethene	2.43	96	49938	19.351	ug/l	93
22) Diisopropyl ether	2.94	45	144010	19.257	ug/l	96
23) Vinyl Acetate	3.35	43	328539	98.572	ug/l	97
24) 1,1-Dichloroethane	3.02	63	96203	21.285	ug/l	98
25) 2-Butanone	4.53	43	82730	97.497	ug/l	97
26) 2,2-Dichloropropane	3.79	77	63224	25.049	ug/l	95
27) cis-1,2-Dichloroethene	3.65	96	61664	19.115	ug/l	94
28) Bromochloromethane	3.91	49	36974	18.038	ug/l #	96
29) Tetrahydrofuran	4.28	42	33550	86.029	ug/l	97
30) Chloroform	4.06	83	128078	20.975	ug/l	98
31) Cyclohexane	3.90	56	70503	19.543	ug/l	88
32) 1,1,1-Trichloroethane	4.29	97	111673	21.339	ug/l	97
36) 1,1-Dichloropropene	4.48	75	81507	21.904	ug/l	99
37) Ethyl Acetate	4.31	43	30399	17.560	ug/l #	98
38) Carbon Tetrachloride	4.20	117	102410m	25.152	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	77984	20.896	ug/l	89
40) Benzene	4.83	78	185169	22.598	ug/l	94
41) Methacrylonitrile	4.94	41	17573	19.695	ug/l	96
42) 1,2-Dichloroethane	5.13	62	76385	22.289	ug/l	99
43) Isopropyl Acetate	7.12	43	36224	21.402	ug/l #	92
44) Trichloroethene	5.69	130	66422	22.066	ug/l	94
45) 1,2-Dichloropropane	6.41	63	39021	21.024	ug/l	99
46) Dibromomethane	6.27	93	32415	21.064	ug/l	97
47) Bromodichloromethane	6.56	83	86620	22.514	ug/l	97
48) Methyl methacrylate	6.89	41	24352	20.359	ug/l	95
49) 1,4-Dioxane	6.87	88	5772	462.175	ug/l #	72
51) 4-Methyl-2-Pentanone	8.41	43	128994	100.579	ug/l	99
52) Toluene	7.78	92	112697	22.294	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	66459	22.839	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	75629	22.332	ug/l	93
55) 1,1,2-Trichloroethane	8.64	97	33257	20.724	ug/l	92
56) Ethyl methacrylate	8.76	69	32445	19.153	ug/l	97
57) 1,3-Dichloropropane	9.00	76	49871	20.574	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.46	63	52135	102.371	ug/l	97
59) 2-Hexanone	9.63	43	95334	107.480	ug/l	92
60) Dibromochloromethane	8.87	129	56477	21.519	ug/l	96
61) 1,2-Dibromoethane	9.13	107	38458	20.391	ug/l	95
64) Tetrachloroethene	8.31	164	63849	20.310	ug/l	96
65) Chlorobenzene	9.93	112	136521	21.307	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	64200	19.862	ug/l	97
67) Ethyl Benzene	10.03	91	234497	20.901	ug/l	100
68) m/p-Xylenes	10.26	106	174873	42.244	ug/l	97
69) o-Xylene	10.82	106	95010	21.240	ug/l	95
70) Styrene	10.90	104	142711	21.287	ug/l	99
71) Bromoform	10.88	173	34807	19.656	ug/l #	97
73) Isopropylbenzene	11.21	105	302801	20.691	ug/l	100
74) N-amyl acetate	11.45	43	58244	18.538	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	44191	19.285	ug/l	95
76) 1,2,3-Trichloropropane	11.87	75	35942	20.559	ug/l #	100
77) Bromobenzene	11.58	156	76080	19.808	ug/l	97
78) n-propylbenzene	11.68	91	323542	20.765	ug/l	98
79) 2-Chlorotoluene	11.80	91	206372	21.301	ug/l	97
80) 1,3,5-Trimethylbenzene	11.89	105	272553	21.248	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	11364m	17.293	ug/l	
82) 4-Chlorotoluene	11.97	91	198062	20.698	ug/l	98
83) tert-Butylbenzene	12.20	119	275663	20.449	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	264317	21.056	ug/l	100
85) sec-Butylbenzene	12.37	105	334712	20.399	ug/l	100
86) p-Isopropyltoluene	12.53	119	320583	21.029	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	147288	20.997	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	141077	20.838	ug/l	99
89) n-Butylbenzene	12.90	91	295868	21.814	ug/l	98
90) Hexachloroethane	12.98	117	74904	19.678	ug/l	98
91) 1,2-Dichlorobenzene	13.00	146	145382	21.412	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	9965	19.412	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	133795	21.970	ug/l	98
94) Hexachlorobutadiene	14.23	225	96421	21.243	ug/l	99
95) Naphthalene	14.50	128	176323	19.258	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	125198	21.220	ug/l	99

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

