

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012119\
 Data File : VF061470.D
 Acq On : 21 Jan 2019 13:33
 Operator : VA/AP
 Sample : VF0121SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0121SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/22/2019 2:50:17 PM

Quant Time: Jan 22 06:49:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	191647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	339866	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	310217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	152528	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	121527	51.36	ug/l	0.01
Spiked Amount 50.000			Recovery	=	102.72%	
35) Dibromofluoromethane	4.11	113	140011	52.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.42%	
50) Toluene-d8	7.55	98	358312	48.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.52%	
62) 4-Bromofluorobenzene	11.41	95	170886	49.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.56%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	68788	18.268	ug/l	88
3) Chloromethane	1.09	50	58416	21.157	ug/l	100
4) Vinyl Chloride	1.15	62	53416	21.748	ug/l	97
5) Bromomethane	1.31	94	32553	20.325	ug/l	97
6) Chloroethane	1.39	64	21214	19.493	ug/l	92
7) Trichlorofluoromethane	1.46	101	88767	18.591	ug/l	95
8) Diethyl Ether	1.63	74	10678	17.453	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.83	101	48872	21.302	ug/l	95
10) Methyl Iodide	1.90	142	73305m	20.610	ug/l	
11) Tert butyl alcohol	2.56	59	9726	97.111	ug/l	98
12) 1,1-Dichloroethene	1.80	96	36101m	21.180	ug/l	
13) Acrolein	2.00	56	6399	81.447	ug/l	99
14) Allyl chloride	2.10	41	65086	35.618	ug/l	91
15) Acrylonitrile	2.94	53	27607	107.611	ug/l	100
16) Acetone	2.23	43	60216	126.858	ug/l	100
17) Carbon Disulfide	1.80	76	114472m	21.539	ug/l	
18) Methyl Acetate	2.34	43	18626	19.786	ug/l	97
19) Methyl tert-butyl Ether	2.42	73	68410	17.904	ug/l	94
20) Methylene Chloride	2.18	84	52254m	31.790	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	39171	20.887	ug/l	98
22) Diisopropyl ether	2.80	45	133106	21.944	ug/l	98
23) Vinyl Acetate	3.19	43	269760	103.011	ug/l	99
24) 1,1-Dichloroethane	2.88	63	73521	19.312	ug/l	98
25) 2-Butanone	4.34	43	83331	105.568	ug/l	100
26) 2,2-Dichloropropane	3.60	77	46212	19.757	ug/l	95
27) cis-1,2-Dichloroethene	3.48	96	57283	20.692	ug/l	95
28) Bromochloromethane	3.71	49	38590	22.550	ug/l	84
29) Tetrahydrofuran	4.07	42	31132	91.593	ug/l	93
30) Chloroform	3.86	83	103269	20.100	ug/l	97
31) Cyclohexane	3.69	56	88123m	23.173	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	75201	19.962	ug/l	91
36) 1,1-Dichloropropene	4.28	75	76590	19.436	ug/l	97
37) Ethyl Acetate	4.10	43	26863	17.054	ug/l #	65
38) Carbon Tetrachloride	3.99	117	64203	18.637	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	82723	19.371	ug/l	97
40) Benzene	4.63	78	170197	19.410	ug/l	97
41) Methacrylonitrile	4.74	41	16102	19.211	ug/l #	95
42) 1,2-Dichloroethane	4.95	62	52156	16.692	ug/l	97
43) Isopropyl Acetate	6.96	43	34850	17.628	ug/l #	78
44) Trichloroethene	5.50	130	51369	19.097	ug/l	96
45) 1,2-Dichloropropane	6.24	63	44669	19.410	ug/l	96
46) Dibromomethane	6.09	93	25475	16.648	ug/l	92
47) Bromodichloromethane	6.39	83	69047	18.237	ug/l	92
48) Methyl methacrylate	6.71	41	21859	16.466	ug/l	93
49) 1,4-Dioxane	6.71	88	4118	402.945	ug/l #	78
51) 4-Methyl-2-Pentanone	8.25	43	134648	92.645	ug/l	99
52) Toluene	7.62	92	106703	18.479	ug/l	100
53) t-1,3-Dichloropropene	8.28	75	54327	18.071	ug/l	100
54) cis-1,3-Dichloropropene	7.30	75	70006	18.629	ug/l	95
55) 1,1,2-Trichloroethane	8.49	97	29204	17.810	ug/l	94
56) Ethyl methacrylate	8.62	69	32430	16.999	ug/l	92
57) 1,3-Dichloropropane	8.85	76	54925	17.871	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.29	63	17068	103.446	ug/l	91
59) 2-Hexanone	9.49	43	105436	104.035	ug/l	98
60) Dibromochloromethane	8.71	129	41395	17.268	ug/l	96
61) 1,2-Dibromoethane	8.98	107	31473	16.766	ug/l #	81
64) Tetrachloroethene	8.15	164	42786	18.341	ug/l	97
65) Chlorobenzene	9.80	112	121733	19.297	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.93	131	49635	19.751	ug/l	97
67) Ethyl Benzene	9.90	91	223697	19.408	ug/l	96
68) m/p-Xylenes	10.13	106	162388	39.172	ug/l	97
69) o-Xylene	10.71	106	90414	20.123	ug/l	90
70) Styrene	10.79	104	115849	18.837	ug/l	99
71) Bromoform	10.77	173	20792	18.414	ug/l #	95
73) Isopropylbenzene	11.12	105	259576	20.924	ug/l	97
74) N-amyl acetate	11.37	43	59564	20.305	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.69	83	42811	19.372	ug/l	97
76) 1,2,3-Trichloropropane	11.79	75	30680	19.320	ug/l	99
77) Bromobenzene	11.50	156	49395	18.854	ug/l	95
78) n-propylbenzene	11.60	91	311768	19.262	ug/l	99
79) 2-Chlorotoluene	11.71	91	180777	21.003	ug/l	100
80) 1,3,5-Trimethylbenzene	11.82	105	217464	21.722	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	12921m	18.718	ug/l	
82) 4-Chlorotoluene	11.90	91	170965	19.684	ug/l	100
83) tert-Butylbenzene	12.13	119	217329	20.974	ug/l	96
84) 1,2,4-Trimethylbenzene	12.21	105	209884	20.353	ug/l	96
85) sec-Butylbenzene	12.31	105	279518	19.864	ug/l	98
86) p-Isopropyltoluene	12.45	119	248336	21.498	ug/l	96
87) 1,3-Dichlorobenzene	12.47	146	105015	19.058	ug/l	99
88) 1,4-Dichlorobenzene	12.56	146	98384	19.873	ug/l	98
89) n-Butylbenzene	12.84	91	253013	21.238	ug/l	95
90) Hexachloroethane	12.92	117	56368	20.701	ug/l	99
91) 1,2-Dichlorobenzene	12.94	146	95629	19.512	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	6343	16.182	ug/l	70

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	60488	17.618	ug/l	98
94) Hexachlorobutadiene	14.19	225	37860	17.771	ug/l	97
95) Naphthalene	14.46	128	100519	15.410	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	53741	16.909	ug/l	96

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

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