

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031519\
 Data File : VF061956.D
 Acq On : 15 Mar 2019 12:50
 Operator : VA/AP
 Sample : VF0315SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0315SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/17/2019 5:23:07 AM

Quant Time: Mar 15 23:34:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	280290	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	417036	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	368583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	198712	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	120279	58.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.86%	
35) Dibromofluoromethane	4.12	113	167815	57.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.32%	
50) Toluene-d8	7.56	98	471112	54.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.92%	
62) 4-Bromofluorobenzene	11.42	95	184728	54.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.02%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	75743	22.011	ug/l	96
3) Chloromethane	1.10	50	78100	23.419	ug/l	92
4) Vinyl Chloride	1.14	62	72433	22.879	ug/l	98
5) Bromomethane	1.32	94	47666	22.093	ug/l	97
6) Chloroethane	1.40	64	35258	23.429	ug/l	92
7) Trichlorofluoromethane	1.48	101	87471	22.622	ug/l	95
8) Diethyl Ether	1.64	74	19477	22.151	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.84	101	62335	23.740	ug/l	97
10) Methyl Iodide	1.91	142	112567m	22.528	ug/l	
11) Tert butyl alcohol	2.58	59	12917	111.491	ug/l	96
12) 1,1-Dichloroethene	1.81	96	56237	23.460	ug/l	98
13) Acrolein	2.01	56	11029	75.128	ug/l	85
14) Allyl chloride	2.10	41	66679	25.249	ug/l	94
15) Acrylonitrile	2.96	53	43138	116.931	ug/l	92
16) Acetone	2.25	43	54150	126.645	ug/l	96
17) Carbon Disulfide	1.84	76	167984	22.512	ug/l	99
18) Methyl Acetate	2.36	43	21969	26.020	ug/l	95
19) Methyl tert-butyl Ether	2.44	73	89208	21.999	ug/l	99
20) Methylene Chloride	2.19	84	59119m	21.936	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	58571	25.961	ug/l	93
22) Diisopropyl ether	2.81	45	165802	24.136	ug/l	97
23) Vinyl Acetate	3.20	43	361271	117.721	ug/l	99
24) 1,1-Dichloroethane	2.88	63	96229	23.436	ug/l	99
25) 2-Butanone	4.35	43	103543	119.053	ug/l	97
26) 2,2-Dichloropropane	3.61	77	43998	24.004	ug/l	98
27) cis-1,2-Dichloroethene	3.49	96	70649	22.603	ug/l	93
28) Bromochloromethane	3.73	49	40026	22.363	ug/l	92
29) Tetrahydrofuran	4.08	42	42545	113.428	ug/l	99
30) Chloroform	3.87	83	109007	23.243	ug/l	96
31) Cyclohexane	3.70	56	101089m	23.505	ug/l	
32) 1,1,1-Trichloroethane	4.11	97	68342	23.641	ug/l	91
36) 1,1-Dichloropropene	4.29	75	87129	22.117	ug/l	95
37) Ethyl Acetate	4.13	43	40057	24.226	ug/l #	76
38) Carbon Tetrachloride	3.99	117	61342	21.997	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	103154	22.169	ug/l	95
40) Benzene	4.65	78	241114	23.416	ug/l	100
41) Methacrylonitrile	4.76	41	21154	23.351	ug/l #	84
42) 1,2-Dichloroethane	4.95	62	56805	22.136	ug/l	99
43) Isopropyl Acetate	6.97	43	44224	21.698	ug/l #	83
44) Trichloroethene	5.51	130	70579	22.056	ug/l	100
45) 1,2-Dichloropropane	6.24	63	58215	23.775	ug/l	99
46) Dibromomethane	6.09	93	33254	21.579	ug/l	95
47) Bromodichloromethane	6.39	83	74850	21.985	ug/l	96
48) Methyl methacrylate	6.73	41	29427	22.813	ug/l	96
49) 1,4-Dioxane	6.73	88	4934	418.426	ug/l #	54
51) 4-Methyl-2-Pentanone	8.26	43	167024	118.568	ug/l	98
52) Toluene	7.63	92	133611	21.934	ug/l	99
53) t-1,3-Dichloropropene	8.28	75	63180	22.482	ug/l	98
54) cis-1,3-Dichloropropene	7.31	75	84391	21.771	ug/l	95
55) 1,1,2-Trichloroethane	8.50	97	41490	23.639	ug/l	98
56) Ethyl methacrylate	8.63	69	46231	23.373	ug/l	98
57) 1,3-Dichloropropane	8.87	76	64367	22.425	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.31	63	37119	118.628	ug/l	95
59) 2-Hexanone	9.51	43	127974	125.929	ug/l	100
60) Dibromochloromethane	8.73	129	54789	21.903	ug/l	94
61) 1,2-Dibromoethane	8.99	107	44283	22.944	ug/l	98
64) Tetrachloroethene	8.16	164	60982	21.532	ug/l	95
65) Chlorobenzene	9.80	112	156491	22.099	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.94	131	62053	22.617	ug/l	96
67) Ethyl Benzene	9.91	91	277430	23.637	ug/l	100
68) m/p-Xylenes	10.14	106	206771	45.987	ug/l	98
69) o-Xylene	10.72	106	100362	20.729	ug/l	99
70) Styrene	10.80	104	149732	21.975	ug/l	96
71) Bromoform	10.78	173	29783	20.539	ug/l	97
73) Isopropylbenzene	11.13	105	304543	22.262	ug/l	99
74) N-amyl acetate	11.38	43	72260	22.944	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.70	83	52335	23.018	ug/l	93
76) 1,2,3-Trichloropropane	11.80	75	35763	23.046	ug/l	98
77) Bromobenzene	11.50	156	76093	23.112	ug/l	97
78) n-propylbenzene	11.60	91	350214	22.669	ug/l	99
79) 2-Chlorotoluene	11.73	91	200054	22.650	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	241226	21.962	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.87	75	15842m	22.325	ug/l	
82) 4-Chlorotoluene	11.90	91	199563	22.090	ug/l	98
83) tert-Butylbenzene	12.14	119	264818	22.706	ug/l	93
84) 1,2,4-Trimethylbenzene	12.21	105	242075	22.483	ug/l	96
85) sec-Butylbenzene	12.31	105	351246	23.143	ug/l	99
86) p-Isopropyltoluene	12.47	119	290975	22.555	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	141588	22.648	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	140399	23.281	ug/l	96
89) n-Butylbenzene	12.85	91	281733	22.851	ug/l	94
90) Hexachloroethane	12.92	117	65992	21.252	ug/l	95
91) 1,2-Dichlorobenzene	12.95	146	132138	22.309	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.65	75	8264	23.121	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	89192	21.479	ug/l	98
94) Hexachlorobutadiene	14.20	225	57508	20.005	ug/l	97
95) Naphthalene	14.47	128	152812	20.662	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	80863	21.091	ug/l	96

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

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