

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011719\
 Data File : VF061438.D
 Acq On : 17 Jan 2019 12:05
 Operator : VA/AP
 Sample : VF0117SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0117SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/18/2019 3:41:57 PM

Quant Time: Jan 18 03:42:34 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	4.84	168	195998	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.57	114	362916	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.75	117	331155	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	161651	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.81	65	121680	50.28	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	100.56%	
35) Dibromofluoromethane	4.08	113	143548	50.13	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	100.26%	
50) Toluene-d8	7.53	98	408403	52.05	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	104.10%	
62) 4-Bromofluorobenzene	11.39	95	182734	49.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.70%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	71407	18.542	ug/l	90
3) Chloromethane	1.10	50	55021	19.485	ug/l	95
4) Vinyl Chloride	1.13	62	49895	19.864	ug/l	98
5) Bromomethane	1.30	94	31352	19.141	ug/l #	75
6) Chloroethane	1.38	64	22629	20.331	ug/l	93
7) Trichlorofluoromethane	1.48	101	84516m	17.308	ug/l	
8) Diethyl Ether	1.62	74	13311	21.274	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.83	101	45993	19.602	ug/l	91
10) Methyl Iodide	1.89	142	70920m	19.497	ug/l	
11) Tert butyl alcohol	2.56	59	11087	108.242	ug/l #	92
12) 1,1-Dichloroethene	1.79	96	35797	20.535	ug/l	90
13) Acrolein	1.98	56	7392	90.658	ug/l	88
14) Allyl chloride	2.08	41	53617	26.814	ug/l	89
15) Acrylonitrile	2.92	53	28108	107.132	ug/l	97
16) Acetone	2.22	43	61805	127.315	ug/l	100
17) Carbon Disulfide	1.82	76	106730m	19.636	ug/l	
18) Methyl Acetate	2.33	43	20787	21.592	ug/l	96
19) Methyl tert-butyl Ether	2.42	73	76767	19.645	ug/l	96
20) Methylene Chloride	2.16	84	37349m	21.669	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	38594	20.123	ug/l	89
22) Diisopropyl ether	2.78	45	129598	20.891	ug/l	95
23) Vinyl Acetate	3.17	43	342907	127.260	ug/l	99
24) 1,1-Dichloroethane	2.85	63	77140	19.813	ug/l	98
25) 2-Butanone	4.30	43	101478	125.703	ug/l	98
26) 2,2-Dichloropropane	3.57	77	45944	19.207	ug/l	96
27) cis-1,2-Dichloroethene	3.45	96	61530	21.733	ug/l	97
28) Bromochloromethane	3.70	49	41575	23.755	ug/l #	95
29) Tetrahydrofuran	4.05	42	38189	109.862	ug/l	99
30) Chloroform	3.84	83	113124	21.529	ug/l	98
31) Cyclohexane	3.67	56	86295m	22.188	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	69191	17.959	ug/l	95
36) 1,1-Dichloropropene	4.25	75	83852	19.928	ug/l	99
37) Ethyl Acetate	4.07	43	33266	19.778	ug/l #	99
38) Carbon Tetrachloride	3.97	117	65603	17.833	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	87734	19.240	ug/l	98
40) Benzene	4.61	78	199162	21.271	ug/l	96
41) Methacrylonitrile	4.73	41	17674	19.747	ug/l	94
42) 1,2-Dichloroethane	4.91	62	59619	17.869	ug/l	100
43) Isopropyl Acetate	6.94	43	42529	20.146	ug/l #	95
44) Trichloroethene	5.48	130	62852	21.882	ug/l	98
45) 1,2-Dichloropropane	6.22	63	53071	21.596	ug/l	98
46) Dibromomethane	6.07	93	33186	20.310	ug/l	94
47) Bromodichloromethane	6.36	83	81752	20.221	ug/l	99
48) Methyl methacrylate	6.69	41	29180	20.585	ug/l	92
49) 1,4-Dioxane	6.69	88	4288	391.076	ug/l #	85
51) 4-Methyl-2-Pentanone	8.24	43	172605	111.218	ug/l	99
52) Toluene	7.61	92	118975	19.295	ug/l	97
53) t-1,3-Dichloropropene	8.26	75	67259	20.951	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	87998	21.930	ug/l	99
55) 1,1,2-Trichloroethane	8.46	97	35593	20.328	ug/l	99
56) Ethyl methacrylate	8.60	69	41005	20.129	ug/l	97
57) 1,3-Dichloropropane	8.83	76	68303	20.812	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.27	63	28037	144.320	ug/l #	89
59) 2-Hexanone	9.47	43	132545	122.477	ug/l	94
60) Dibromochloromethane	8.69	129	49234	19.233	ug/l	94
61) 1,2-Dibromoethane	8.97	107	39378	19.645	ug/l	89
64) Tetrachloroethene	8.13	164	49461	19.861	ug/l	97
65) Chlorobenzene	9.78	112	142017	21.089	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.90	131	54192	20.201	ug/l	97
67) Ethyl Benzene	9.88	91	253813	20.629	ug/l	100
68) m/p-Xylenes	10.11	106	180856	40.869	ug/l	98
69) o-Xylene	10.69	106	99825	20.813	ug/l	91
70) Styrene	10.77	104	138672	21.122	ug/l	97
71) Bromoform	10.75	173	24801	20.576	ug/l #	97
73) Isopropylbenzene	11.11	105	302539	23.011	ug/l	98
74) N-amyl acetate	11.35	43	76967	24.757	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.68	83	52919	22.594	ug/l	97
76) 1,2,3-Trichloropropane	11.78	75	36979	21.973	ug/l	88
77) Bromobenzene	11.48	156	60238	21.695	ug/l	95
78) n-propylbenzene	11.58	91	347752	20.311	ug/l	99
79) 2-Chlorotoluene	11.70	91	197542	21.655	ug/l	98
80) 1,3,5-Trimethylbenzene	11.81	105	241368	22.749	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	15763m	21.546	ug/l	
82) 4-Chlorotoluene	11.88	91	205422	22.316	ug/l	92
83) tert-Butylbenzene	12.11	119	238502	21.718	ug/l	97
84) 1,2,4-Trimethylbenzene	12.19	105	244792	22.398	ug/l	99
85) sec-Butylbenzene	12.29	105	333370	22.354	ug/l	96
86) p-Isopropyltoluene	12.45	119	271160	22.149	ug/l	100
87) 1,3-Dichlorobenzene	12.46	146	116556	19.978	ug/l	99
88) 1,4-Dichlorobenzene	12.55	146	116067	22.121	ug/l	99
89) n-Butylbenzene	12.82	91	281677	22.310	ug/l	97
90) Hexachloroethane	12.90	117	62250	21.571	ug/l	98
91) 1,2-Dichlorobenzene	12.92	146	107785	20.751	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.63	75	8687	20.911	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	74571	20.494	ug/l	98
94) Hexachlorobutadiene	14.18	225	43542	19.285	ug/l	96
95) Naphthalene	14.44	128	132787	19.208	ug/l	100
96) 1,2,3-Trichlorobenzene	14.59	180	64140	19.042	ug/l	99

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

