

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031319\
 Data File : VF061927.D
 Acq On : 13 Mar 2019 15:00
 Operator : VA/AP
 Sample : VF0313SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0313SBS01

Quant Time: Mar 14 01:30:17 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	4.85	168	299380	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.57	114	448375	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.75	117	357786	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.53	152	197635	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	126120	57.85	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	115.70%	
35) Dibromofluoromethane	4.09	113	176365	56.36	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	112.72%	
50) Toluene-d8	7.53	98	488932	52.57	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	105.14%	
62) 4-Bromofluorobenzene	11.40	95	186654	51.23	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.46%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	84561	23.007	ug/l	95
3) Chloromethane	1.10	50	86349	24.241	ug/l	90
4) Vinyl Chloride	1.14	62	82920	24.522	ug/l	99
5) Bromomethane	1.30	94	52671	22.856	ug/l	88
6) Chloroethane	1.40	64	41848	26.035	ug/l	89
7) Trichlorofluoromethane	1.47	101	98496m	23.849	ug/l	
8) Diethyl Ether	1.63	74	22284	23.728	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.84	101	73426	26.181	ug/l	99
10) Methyl Iodide	1.90	142	125112m	23.442	ug/l	
11) Tert butyl alcohol	2.56	59	14141	114.273	ug/l	94
12) 1,1-Dichloroethene	1.80	96	61569	24.046	ug/l	95
13) Acrolein	1.99	56	16422	104.731	ug/l	98
14) Allyl chloride	2.08	41	79038	28.020	ug/l	95
15) Acrylonitrile	2.93	53	48575	123.273	ug/l	98
16) Acetone	2.23	43	58994	129.176	ug/l	96
17) Carbon Disulfide	1.81	76	186653m	23.419	ug/l	
18) Methyl Acetate	2.33	43	22179	24.247	ug/l	93
19) Methyl tert-butyl Ether	2.42	73	100986	23.315	ug/l	99
20) Methylene Chloride	2.17	84	63012m	21.877	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	63680	26.426	ug/l	87
22) Diisopropyl ether	2.78	45	181209	24.696	ug/l	98
23) Vinyl Acetate	3.18	43	365253	111.429	ug/l	99
24) 1,1-Dichloroethane	2.86	63	109274	24.916	ug/l	99
25) 2-Butanone	4.32	43	110394	118.837	ug/l	96
26) 2,2-Dichloropropane	3.58	77	45995	23.493	ug/l	98
27) cis-1,2-Dichloroethene	3.45	96	80048	23.977	ug/l	99
28) Bromochloromethane	3.70	49	45587	23.846	ug/l #	93
29) Tetrahydrofuran	4.05	42	45887	114.537	ug/l	96
30) Chloroform	3.84	83	116584	23.273	ug/l	92
31) Cyclohexane	3.68	56	106340m	23.150	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	70826	22.938	ug/l	95
36) 1,1-Dichloropropene	4.26	75	98673	23.297	ug/l	100
37) Ethyl Acetate	4.08	43	39999	22.500	ug/l #	89
38) Carbon Tetrachloride	3.97	117	71156	23.733	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.42	83	112548	22.498	ug/l	95
40) Benzene	4.62	78	246820	22.295	ug/l	97
41) Methacrylonitrile	4.71	41	23205	23.824	ug/l	98
42) 1,2-Dichloroethane	4.92	62	60675	21.992	ug/l	99
43) Isopropyl Acetate	6.94	43	44982	20.527	ug/l	92
44) Trichloroethene	5.48	130	74993	21.797	ug/l	97
45) 1,2-Dichloropropane	6.21	63	57721	21.926	ug/l	97
46) Dibromomethane	6.07	93	36338	21.932	ug/l	99
47) Bromodichloromethane	6.36	83	81482	22.261	ug/l	100
48) Methyl methacrylate	6.70	41	26925	19.414	ug/l	96
49) 1,4-Dioxane	6.69	88	5165	407.401	ug/l #	82
51) 4-Methyl-2-Pentanone	8.23	43	169927	112.198	ug/l	98
52) Toluene	7.60	92	149422	22.815	ug/l	96
53) t-1,3-Dichloropropene	8.25	75	63738	21.095	ug/l #	86
54) cis-1,3-Dichloropropene	7.28	75	93076	22.333	ug/l	98
55) 1,1,2-Trichloroethane	8.47	97	38413	20.357	ug/l #	87
56) Ethyl methacrylate	8.60	69	43348	20.383	ug/l	97
57) 1,3-Dichloropropane	8.84	76	66368	21.506	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.28	63	41761	124.135	ug/l	97
59) 2-Hexanone	9.48	43	132428	121.204	ug/l	97
60) Dibromochloromethane	8.70	129	56110	20.863	ug/l	100
61) 1,2-Dibromoethane	8.96	107	42137	20.306	ug/l	97
64) Tetrachloroethene	8.14	164	62090	22.585	ug/l	94
65) Chlorobenzene	9.78	112	153729	22.364	ug/l	94
66) 1,1,1,2-Tetrachloroethane	9.91	131	65346	24.536	ug/l	96
67) Ethyl Benzene	9.88	91	267536	23.482	ug/l	100
68) m/p-Xylenes	10.12	106	208273	47.719	ug/l	93
69) o-Xylene	10.70	106	107675	22.911	ug/l	97
70) Styrene	10.77	104	156119	23.604	ug/l	98
71) Bromoform	10.76	173	30738	21.838	ug/l	98
73) Isopropylbenzene	11.11	105	326740	24.014	ug/l	100
74) N-amyl acetate	11.36	43	76726	24.495	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.69	83	51968	22.981	ug/l	97
76) 1,2,3-Trichloropropane	11.78	75	35319	22.884	ug/l	98
77) Bromobenzene	11.48	156	72853	22.248	ug/l	98
78) n-propylbenzene	11.58	91	364663	23.733	ug/l	100
79) 2-Chlorotoluene	11.71	91	205079	23.345	ug/l	100
80) 1,3,5-Trimethylbenzene	11.81	105	264251	24.190	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.85	75	16115m	22.834	ug/l	
82) 4-Chlorotoluene	11.88	91	199939	22.252	ug/l	100
83) tert-Butylbenzene	12.12	119	289384	24.948	ug/l	93
84) 1,2,4-Trimethylbenzene	12.19	105	253923	23.711	ug/l	94
85) sec-Butylbenzene	12.30	105	370840	24.567	ug/l	96
86) p-Isopropyltoluene	12.45	119	306772	23.909	ug/l	98
87) 1,3-Dichlorobenzene	12.47	146	146161	23.507	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	139774	23.304	ug/l	96
89) n-Butylbenzene	12.83	91	297189	24.236	ug/l	96
90) Hexachloroethane	12.91	117	72781	23.566	ug/l	72
91) 1,2-Dichlorobenzene	12.93	146	134154	22.773	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	7158	20.622	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	92895	22.493	ug/l	93
94) Hexachlorobutadiene	14.18	225	61585	21.540	ug/l	95
95) Naphthalene	14.45	128	157095	21.357	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	87340	22.905	ug/l	94

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

