

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092018\
 Data File : VF060305.D
 Acq On : 20 Sep 2018 18:53
 Operator : VA/AP
 Sample : J5021-17
 Misc : 6.88/5mL/MSVOA F/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 LS-SOIL-E

Quant Time: Sep 21 05:23:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	67	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	0.00	114	0	0.00	ug/l	-5.76
63) Chlorobenzene-d5	9.94	117	80	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.65	152	148	50.00	ug/l	0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	63	69.83	ug/l	0.02
Spiked Amount	50.000		Recovery	=	139.66%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	7.72	98	147	0.00	ug/l	0.01
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	11.51	95	1284	0.00	ug/l	0.01
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds			Qvalue			
2) Dichlorodifluoromethane	0.99	85	166	181.533	ug/l #	40
3) Chloromethane	1.15	50	106	116.097	ug/l #	12
4) Vinyl Chloride	1.18	62	76	81.676	ug/l #	1
5) Bromomethane	1.34	94	243	530.344	ug/l	94
6) Chloroethane	1.49	64	59	133.137	ug/l #	1
7) Trichlorofluoromethane	1.65	101	63	36.342	ug/l #	18
8) Diethyl Ether	1.69	74	153	530.485	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.00	101	72	78.097	ug/l #	23
10) Methyl Iodide	1.94	142	79	53.138	ug/l #	24
11) Tert butyl alcohol	2.68	59	62	1301.692	ug/l #	1
12) 1,1-Dichloroethene	1.84	96	340	445.931	ug/l #	1
13) Acrolein	2.05	56	127	3288.373	ug/l	83
14) Allyl chloride	2.15	41	255	191.655	ug/l	88
15) Acrylonitrile	3.09	53	173	1357.737	ug/l #	14
16) Acetone	2.45	43	843	3317.952	ug/l	94
17) Carbon Disulfide	1.89	76	82	41.627	ug/l #	70
18) Methyl Acetate	2.45	43	843	1991.672	ug/l #	69
19) Methyl tert-butyl Ether	2.54	73	345	181.506	ug/l #	59
20) Methylene Chloride	2.27	84	145	239.459	ug/l #	1
21) trans-1,2-Dichloroethene	2.41	96	151	191.749	ug/l #	1
22) Diisopropyl ether	2.93	45	77	30.673	ug/l #	1
23) Vinyl Acetate	3.32	43	440	446.276	ug/l #	79
24) 1,1-Dichloroethane	2.96	63	73	44.839	ug/l #	89
25) 2-Butanone	4.57	43	1118	3269.199	ug/l	95
26) 2,2-Dichloropropane	3.76	77	101	108.727	ug/l #	58
27) cis-1,2-Dichloroethene	3.63	96	234	226.186	ug/l	1
28) Bromochloromethane	3.89	49	164	258.736	ug/l #	8
29) Tetrahydrofuran	4.24	42	708	5653.407	ug/l #	65
30) Chloroform	4.05	83	101	51.415	ug/l #	15
31) Cyclohexane	3.88	56	214	155.618	ug/l #	3
32) 1,1,1-Trichloroethane	4.22	97	60	38.709	ug/l #	28
65) Chlorobenzene	9.99	112	75	41.364	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.03	131	67	89.042	ug/l #	6
67) Ethyl Benzene	10.05	91	987	294.413	ug/l #	46

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

68) m/p-Xylenes	10.26	106	124	107.061	ug/l #	1
69) o-Xylene	10.74	106	340	261.720	ug/l	50
70) Styrene	10.92	104	79	43.120	ug/l #	20
71) Bromoform	10.93	173	69	166.970	ug/l #	31
73) Isopropylbenzene	11.13	105	710	53.438	ug/l	85
74) N-amyl acetate	11.48	43	538	189.888	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.77	83	541	229.759	ug/l #	73
76) 1,2,3-Trichloropropane	11.86	75	60	35.588	ug/l #	1
78) n-propylbenzene	11.73	91	911	73.498	ug/l	97
79) 2-Chlorotoluene	11.73	91	911	101.648	ug/l	73
80) 1,3,5-Trimethylbenzene	11.91	105	741	69.284	ug/l	76
81) trans-1,4-Dichloro-2-buten	11.95	75	131	147.029	ug/l #	1
82) 4-Chlorotoluene	11.99	91	422	46.847	ug/l	73
83) tert-Butylbenzene	12.20	119	1032	95.188	ug/l #	1
84) 1,2,4-Trimethylbenzene	12.27	105	481	44.290	ug/l	95
85) sec-Butylbenzene	12.27	105	481	35.714	ug/l	98
86) p-Isopropyltoluene	12.52	119	216	16.031	ug/l #	1
87) 1,3-Dichlorobenzene	12.55	146	345	64.478	ug/l #	1
88) 1,4-Dichlorobenzene	12.64	146	311	58.806	ug/l #	1
89) n-Butylbenzene	12.92	91	451	38.201	ug/l #	48
90) Hexachloroethane	13.03	117	387	127.563	ug/l	70
91) 1,2-Dichlorobenzene	13.05	146	348	68.180	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	13.64	75	215	486.329	ug/l	61
93) 1,2,4-Trichlorobenzene	14.28	180	67	18.060	ug/l #	1
94) Hexachlorobutadiene	14.27	225	80	31.899	ug/l #	19
95) Naphthalene	14.54	128	765	117.613	ug/l #	33
96) 1,2,3-Trichlorobenzene	14.62	180	240	70.011	ug/l #	12

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

