

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091918\
 Data File : VF060288.D
 Acq On : 19 Sep 2018 19:31
 Operator : VA/AP
 Sample : J4993-04RE
 Misc : 5.18/5mL/MSVOA F/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 NS-SLUDGERE

Quant Time: Sep 20 04:14:51 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	5.03	168	9046	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	12334	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	3937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	957	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	2825	23.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	46.38%	
35) Dibromofluoromethane	4.27	113	4226	38.44	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	76.88%	
50) Toluene-d8	7.70	98	7167	25.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	50.06%	
62) 4-Bromofluorobenzene	11.49	95	2202	17.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.00	85	418	Below Cal	#	40
3) Chloromethane	1.14	50	273	2.21	ug/l #	42
6) Chloroethane	1.37	64	82	1.37	ug/l #	42
8) Diethyl Ether	1.76	74	92	2.36	ug/l	79
11) Tert butyl alcohol	2.66	59	182	10.78	ug/l #	1
12) 1,1-Dichloroethene	1.86	96	263	2.55	ug/l #	1
13) Acrolein	2.09	56	1114	519.13	ug/l #	67
14) Allyl chloride	2.20	41	414	2.30	ug/l #	41
15) Acrylonitrile	3.06	53	869	50.51	ug/l #	65
16) Acetone	2.33	43	5203	151.68	ug/l	98
17) Carbon Disulfide	1.84	76	1095	Below Cal	#	70
18) Methyl Acetate	2.40	43	1256	21.98	ug/l #	62
19) Methyl tert-butyl Ether	2.53	73	268	1.04	ug/l #	4
20) Methylene Chloride	2.29	84	1774	13.76	ug/l #	35
21) trans-1,2-Dichloroethene	2.40	96	110	1.03	ug/l #	1
22) Diisopropyl ether	2.88	45	706	2.08	ug/l #	1
23) Vinyl Acetate	3.29	43	202	1.52	ug/l #	79
25) 2-Butanone	4.35	43	581	12.58	ug/l	100
29) Tetrahydrofuran	4.21	42	688	40.69	ug/l #	52
31) Cyclohexane	3.83	56	649	3.50	ug/l #	22
32) 1,1,1-Trichloroethane	4.28	97	314	1.50	ug/l #	36
36) 1,1-Dichloropropene	4.50	75	206	1.34	ug/l #	41
37) Ethyl Acetate	4.26	43	834	12.81	ug/l #	1
39) Methylcyclohexane	5.61	83	1028	6.17	ug/l #	69
41) Methacrylonitrile	4.90	41	452	12.80	ug/l #	38
42) 1,2-Dichloroethane	5.24	62	149	1.16	ug/l	79
43) Isopropyl Acetate	7.09	43	4812	61.40	ug/l #	85
46) Dibromomethane	6.28	93	119	1.84	ug/l #	5
47) Bromodichloromethane	6.54	83	483	3.11	ug/l #	26
48) Methyl methacrylate	6.85	41	2200	39.99	ug/l #	70
49) 1,4-Dioxane	6.85	88	446	907.46	ug/l #	46
51) 4-Methyl-2-Pentanone	8.39	43	11003	182.16	ug/l	96
52) Toluene	7.77	92	1211	5.49	ug/l #	74
53) t-1,3-Dichloropropene	8.43	75	143	1.14	ug/l #	42

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) cis-1,3-Dichloropropene	7.45	75	221	1.40	ug/l #	1
55) 1,1,2-Trichloroethane	8.63	97	275	4.11	ug/l #	17
56) Ethyl methacrylate	8.75	69	5244	64.82	ug/l #	84
57) 1,3-Dichloropropane	8.98	76	121	1.09	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.77	63	327	45.72	ug/l	100
59) 2-Hexanone	9.62	43	8832	205.36	ug/l	95
61) 1,2-Dibromoethane	9.14	107	170	2.28	ug/l #	75
64) Tetrachloroethene	8.32	164	98	2.75	ug/l #	1
65) Chlorobenzene	9.94	112	388	4.35	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.00	131	64	1.73	ug/l #	27
67) Ethyl Benzene	10.02	91	1557	9.44	ug/l #	46
68) m/p-Xylenes	10.25	106	667	11.70	ug/l	85
69) o-Xylene	10.82	106	159	2.49	ug/l	74
70) Styrene	10.89	104	2052	22.76	ug/l	92
71) Bromoform	10.86	173	86	4.23	ug/l #	31
73) Isopropylbenzene	11.21	105	772	8.99	ug/l	94
74) N-amyl acetate	11.45	43	4517	246.56	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	11.80	83	406	26.67	ug/l #	76
76) 1,2,3-Trichloropropane	11.88	75	274	25.13	ug/l #	1
77) Bromobenzene	11.59	156	307	16.58	ug/l #	49
78) n-propylbenzene	11.68	91	2081	19.48	ug/l	82
79) 2-Chlorotoluene	11.80	91	1017	17.55	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.92	105	1365	19.74	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.95	75	405	70.30	ug/l	99
82) 4-Chlorotoluene	11.99	91	2209	37.92	ug/l	92
83) tert-Butylbenzene	12.21	119	202	2.88	ug/l #	1
84) 1,2,4-Trimethylbenzene	12.28	105	1733	24.68	ug/l	74
85) sec-Butylbenzene	12.38	105	1373	10.16	ug/l	98
86) p-Isopropyltoluene	12.53	119	1156	11.65	ug/l	94
87) 1,3-Dichlorobenzene	12.56	146	574	16.59	ug/l #	68
88) 1,4-Dichlorobenzene	12.64	146	567	16.58	ug/l #	64
89) n-Butylbenzene	12.91	91	2951	38.75	ug/l #	65
90) Hexachloroethane	12.98	117	63	3.21	ug/l #	22
91) 1,2-Dichlorobenzene	13.01	146	711	21.54	ug/l #	58
92) 1,2-Dibromo-3-Chloropropan	13.69	75	342	119.64	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.26	180	190	7.92	ug/l #	64
94) Hexachlorobutadiene	14.26	225	60	3.70	ug/l #	19
95) Naphthalene	14.50	128	1431	34.02	ug/l #	67
96) 1,2,3-Trichlorobenzene	14.67	180	299	13.49	ug/l #	81

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

