

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041619\
 Data File : VF062181.D
 Acq On : 16 Apr 2019 17:44
 Operator : FY/SY
 Sample : K2345-07RE
 Misc : 3.44g/5mL/MSVOA F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-3RE

Quant Time: Apr 17 08:07:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F041619S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 07:56:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	85	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.66	114	65	50.00	ug/l	-0.12
63) Chlorobenzene-d5	9.64	117	62	50.00	ug/l	-0.27
72) 1,4-Dichlorobenzene-d4	12.61	152	64	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.88	65	99	129.34	ug/l	-0.15
Spiked Amount	50.000		Recovery	=	258.68%	
35) Dibromofluoromethane	4.33	113	60	117.02	ug/l	0.02
Spiked Amount	50.000		Recovery	=	234.04%	
50) Toluene-d8	7.54	98	141	94.10	ug/l	-0.17
Spiked Amount	50.000		Recovery	=	188.20%	
62) 4-Bromofluorobenzene	11.26	95	1195	2019.59	ug/l	-0.24
Spiked Amount	50.000		Recovery	=	4039.18%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.98	85	853	683.987	ug/l #	41
3) Chloromethane	1.11	50	160	119.212	ug/l #	43
4) Vinyl Chloride	1.09	62	70	59.613	ug/l #	43
5) Bromomethane	1.33	94	107	141.700	ug/l	86
6) Chloroethane	1.45	64	192	345.337	ug/l #	1
8) Diethyl Ether	1.69	74	116	409.163	ug/l	75
11) Tert butyl alcohol	2.64	59	214	5043.905	ug/l #	1
12) 1,1-Dichloroethene	1.84	96	451	483.450	ug/l #	1
13) Acrolein	2.05	56	606	18132.286	ug/l	93
14) Allyl chloride	2.19	41	448	318.938	ug/l #	56
15) Acrylonitrile	3.07	53	109	691.411	ug/l #	25
16) Acetone	2.34	43	3332	19307.114	ug/l #	80
17) Carbon Disulfide	1.91	76	61	23.083	ug/l #	1
18) Methyl Acetate	2.42	43	2068	Below Cal	#	87
19) Methyl tert-butyl Ether	2.50	73	210	135.336	ug/l #	1
20) Methylene Chloride	2.34	84	180	239.399	ug/l #	8
21) trans-1,2-Dichloroethene	2.42	96	659	738.328	ug/l #	1
22) Diisopropyl ether	2.87	45	651	249.326	ug/l #	11
23) Vinyl Acetate	3.31	43	906	695.622	ug/l #	79
24) 1,1-Dichloroethane	3.00	63	273	187.756	ug/l #	86
25) 2-Butanone	4.49	43	911	2457.391	ug/l #	57
26) 2,2-Dichloropropane	3.68	77	178	232.748	ug/l	85
27) cis-1,2-Dichloroethene	3.63	96	427	360.398	ug/l	1
28) Bromochloromethane	3.86	49	91	130.699	ug/l #	14
29) Tetrahydrofuran	4.28	42	137	830.885	ug/l #	1
30) Chloroform	4.14	83	408	225.703	ug/l	94
31) Cyclohexane	3.91	56	491	261.379	ug/l #	27
32) 1,1,1-Trichloroethane	4.28	97	747	606.019	ug/l #	21
36) 1,1-Dichloropropene	4.40	75	63	87.234	ug/l #	1
37) Ethyl Acetate	4.23	43	378	1135.910	ug/l #	17
38) Carbon Tetrachloride	4.10	117	67	107.785	ug/l #	11
39) Methylcyclohexane	5.51	83	398	439.767	ug/l #	4
40) Benzene	4.70	78	269	141.009	ug/l #	1
41) Methacrylonitrile	4.82	41	577	2885.730	ug/l #	74

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

42) 1,2-Dichloroethane	5.01	62	60	124.267	ug/l	71
43) Isopropyl Acetate	6.95	43	568	1477.377	ug/l #	46
45) 1,2-Dichloropropane	6.29	63	68	145.300	ug/l #	1
46) Dibromomethane	6.11	93	96	340.175	ug/l #	41
47) Bromodichloromethane	6.45	83	906	1417.077	ug/l #	24
48) Methyl methacrylate	6.76	41	369	1465.829	ug/l #	74
51) 4-Methyl-2-Pentanone	8.20	43	356	1201.598	ug/l #	59
52) Toluene	7.64	92	76	67.816	ug/l	85
53) t-1,3-Dichloropropene	8.25	75	172	310.589	ug/l #	38
54) cis-1,3-Dichloropropene	7.29	75	84	119.286	ug/l #	1
55) 1,1,2-Trichloroethane	8.45	97	687	2140.381	ug/l #	48
56) Ethyl methacrylate	8.56	69	161	421.834	ug/l #	3
57) 1,3-Dichloropropane	8.80	76	169	320.270	ug/l #	40
58) 2-Chloroethyl Vinyl ether	7.32	63	122	1240.634	ug/l #	50
59) 2-Hexanone	9.37	43	1802	9570.217	ug/l #	25
60) Dibromochloromethane	8.57	129	64	144.921	ug/l #	12
61) 1,2-Dibromoethane	8.93	107	318	926.042	ug/l	92
64) Tetrachloroethene	8.43	164	62	122.437	ug/l #	1
65) Chlorobenzene	9.92	112	60	46.520	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.07	131	116	217.853	ug/l	83
67) Ethyl Benzene	10.01	91	309	129.245	ug/l #	44
68) m/p-Xylenes	10.33	106	64	72.719	ug/l	84
69) o-Xylene	10.84	106	209	219.339	ug/l	39
70) Styrene	10.95	104	364	262.673	ug/l #	8
73) Isopropylbenzene	11.18	105	545	98.846	ug/l #	49
74) N-amyl acetate	11.43	43	538	462.059	ug/l #	26
75) 1,1,2,2-Tetrachloroethane	11.77	83	688	700.482	ug/l #	48
76) 1,2,3-Trichloropropane	11.80	75	235	352.805	ug/l #	1
77) Bromobenzene	11.60	156	59	51.454	ug/l #	1
78) n-propylbenzene	11.72	91	754	120.310	ug/l	94
79) 2-Chlorotoluene	11.77	91	489	132.369	ug/l #	67
80) 1,3,5-Trimethylbenzene	11.86	105	1408	306.189	ug/l	63
81) trans-1,4-Dichloro-2-buten	11.97	75	163	489.292	ug/l #	1
82) 4-Chlorotoluene	11.97	91	822	227.056	ug/l #	43
83) tert-Butylbenzene	12.21	119	243	53.217	ug/l #	1
84) 1,2,4-Trimethylbenzene	12.29	105	502	112.486	ug/l	66
85) sec-Butylbenzene	12.29	105	533	88.770	ug/l	99
86) p-Isopropyltoluene	12.49	119	600	117.298	ug/l #	1
87) 1,3-Dichlorobenzene	12.53	146	277	132.037	ug/l #	52
88) 1,4-Dichlorobenzene	12.61	146	68	33.245	ug/l #	1
89) n-Butylbenzene	12.93	91	1424	Below Cal	#	46
90) Hexachloroethane	12.86	117	386	308.063	ug/l	62
91) 1,2-Dichlorobenzene	13.03	146	144	71.524	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.67	75	222	1254.969	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.23	180	76	50.262	ug/l #	1
95) Naphthalene	14.45	128	102	38.611	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.64	180	83	58.917	ug/l #	18

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

