

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052119\
 Data File : VF062679.D
 Acq On : 21 May 2019 13:07
 Operator : FY/SY
 Sample : K2647-09
 Misc : 5.73g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-01-051719

Quant Time: May 22 03:54:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	2012	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.89	114	98	50.00	ug/l	0.10
63) Chlorobenzene-d5	10.10	117	106	50.00	ug/l	0.18
72) 1,4-Dichlorobenzene-d4	12.51	152	227	50.00	ug/l	-0.11

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	213	14.98	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	29.96%	
35) Dibromofluoromethane	4.38	113	118	157.35	ug/l	0.06
Spiked Amount				50.000		
			Recovery	=	314.70%	
50) Toluene-d8	7.81	98	201	112.26	ug/l	0.09
Spiked Amount				50.000		
			Recovery	=	224.52%	
62) 4-Bromofluorobenzene	11.69	95	163	240.03	ug/l	0.19
Spiked Amount				50.000		
			Recovery	=	480.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	473	17.275	ug/l #	41
3) Chloromethane	1.06	50	660	26.179	ug/l	95
4) Vinyl Chloride	1.19	62	233	10.040	ug/l #	41
5) Bromomethane	1.38	94	450	35.445	ug/l	91
6) Chloroethane	1.42	64	440	51.625	ug/l #	45
7) Trichlorofluoromethane	1.51	101	187	6.001	ug/l #	1
8) Diethyl Ether	1.73	74	304	49.247	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	1.91	101	290	14.616	ug/l #	19
10) Methyl Iodide	1.99	142	356	9.134	ug/l #	37
11) Tert butyl alcohol	2.70	59	384	409.090	ug/l #	1
12) 1,1-Dichloroethene	1.83	96	943	52.173	ug/l #	8
13) Acrolein	2.24	56	335	341.893	ug/l	83
14) Allyl chloride	2.16	41	882	53.918	ug/l #	34
15) Acrylonitrile	2.94	53	509	192.233	ug/l	86
16) Acetone	2.41	43	561	152.092	ug/l	92
17) Carbon Disulfide	1.89	76	338	6.309	ug/l #	1
18) Methyl Acetate	2.46	43	837	144.402	ug/l #	56
19) Methyl tert-butyl Ether	2.47	73	510	15.784	ug/l	95
20) Methylene Chloride	2.30	84	605	32.723	ug/l #	46
21) trans-1,2-Dichloroethene	2.42	96	513	29.038	ug/l #	30
22) Diisopropyl ether	2.92	45	959	23.770	ug/l #	54
23) Vinyl Acetate	3.33	43	1129	41.483	ug/l #	73
24) 1,1-Dichloroethane	2.99	63	170	5.744	ug/l #	1
25) 2-Butanone	4.57	43	657	83.370	ug/l	95
26) 2,2-Dichloropropane	3.77	77	1003	59.227	ug/l	95
27) cis-1,2-Dichloroethene	3.66	96	522	17.963	ug/l	40
28) Bromochloromethane	3.90	49	152	9.157	ug/l	81
29) Tetrahydrofuran	4.10	42	664	208.216	ug/l	94
30) Chloroform	4.03	83	277	6.741	ug/l #	16
31) Cyclohexane	3.87	56	206	5.184	ug/l #	50
32) 1,1,1-Trichloroethane	4.28	97	212	7.768	ug/l #	31
36) 1,1-Dichloropropene	4.58	75	428	426.211	ug/l #	1
37) Ethyl Acetate	4.40	43	788	1921.879	ug/l #	1
38) Carbon Tetrachloride	4.27	117	193	255.550	ug/l #	12

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.74	83	166	137.383	ug/l #	21
40) Benzene	4.89	78	759	277.442	ug/l #	55
41) Methacrylonitrile	5.04	41	196	911.799	ug/l #	84
42) 1,2-Dichloroethane	5.25	62	199	364.774	ug/l #	71
43) Isopropyl Acetate	7.25	43	286	538.413	ug/l #	95
44) Trichloroethene	5.75	130	192	249.713	ug/l #	1
45) 1,2-Dichloropropane	6.54	63	606	877.511	ug/l #	69
46) Dibromomethane	6.35	93	211	528.676	ug/l #	62
47) Bromodichloromethane	6.66	83	95	114.657	ug/l #	39
48) Methyl methacrylate	7.03	41	588	2117.820	ug/l #	41
49) 1,4-Dioxane	6.99	88	210	59054.356	ug/l #	1
51) 4-Methyl-2-Pentanone	8.52	43	493	1357.794	ug/l #	32
52) Toluene	7.93	92	405	282.283	ug/l #	1
53) t-1,3-Dichloropropene	8.59	75	665	981.030	ug/l #	98
54) cis-1,3-Dichloropropene	7.63	75	458	482.672	ug/l #	42
55) 1,1,2-Trichloroethane	8.84	97	290	682.668	ug/l #	15
56) Ethyl methacrylate	8.90	69	555	1096.619	ug/l #	1
57) 1,3-Dichloropropane	9.15	76	603	833.370	ug/l #	71
58) 2-Chloroethyl Vinyl ether	7.56	63	320	1942.501	ug/l #	51
59) 2-Hexanone	9.70	43	687	3112.267	ug/l #	80
60) Dibromochloromethane	9.10	129	67	121.014	ug/l #	1
61) 1,2-Dibromoethane	9.44	107	84	186.168	ug/l #	83
64) Tetrachloroethene	8.28	164	257	306.040	ug/l #	12
65) Chlorobenzene	9.97	112	590	283.389	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.09	131	73	87.343	ug/l #	23
67) Ethyl Benzene	10.15	91	287	79.352	ug/l #	93
68) m/p-Xylenes	10.25	106	179	131.681	ug/l #	47
69) o-Xylene	10.92	106	71	50.709	ug/l #	88
70) Styrene	10.89	104	129	60.617	ug/l #	1
71) Bromoform	10.91	173	176	420.455	ug/l #	27
73) Isopropylbenzene	11.24	105	397	24.402	ug/l #	97
74) N-amyl acetate	11.44	43	941	248.773	ug/l #	76
75) 1,1,2,2-Tetrachloroethane	11.76	83	135	40.603	ug/l #	23
76) 1,2,3-Trichloropropane	11.94	75	245	112.146	ug/l #	97
77) Bromobenzene	11.53	156	126	31.157	ug/l #	15
78) n-propylbenzene	11.65	91	1065	55.312	ug/l #	75
79) 2-Chlorotoluene	11.79	91	128	11.796	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.94	105	466	35.721	ug/l #	92
81) trans-1,4-Dichloro-2-buten	11.94	75	245	252.292	ug/l #	26
82) 4-Chlorotoluene	12.09	91	222	20.746	ug/l #	100
83) tert-Butylbenzene	12.19	119	325	24.555	ug/l #	72
84) 1,2,4-Trimethylbenzene	12.24	105	205	16.236	ug/l #	25
85) sec-Butylbenzene	12.35	105	303	17.059	ug/l #	54
86) p-Isopropyltoluene	12.49	119	266	17.770	ug/l #	49
87) 1,3-Dichlorobenzene	12.55	146	88	12.027	ug/l #	23
88) 1,4-Dichlorobenzene	12.61	146	135	19.662	ug/l #	24
89) n-Butylbenzene	12.92	91	508	34.420	ug/l #	67
90) Hexachloroethane	12.97	117	391	108.886	ug/l #	95
91) 1,2-Dichlorobenzene	13.01	146	163	24.992	ug/l #	20
92) 1,2-Dibromo-3-Chloropropan	13.68	75	125	315.142	ug/l #	12

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	258	55.265	ug/l #	11
94) Hexachlorobutadiene	14.22	225	78	23.942	ug/l #	16
95) Naphthalene	14.48	128	607	71.571	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.67	180	75	16.961	ug/l #	11

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

