

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052119\
 Data File : VF062687.D
 Acq On : 21 May 2019 17:11
 Operator : FY/SY
 Sample : K2971-02
 Misc : 6.44g/5mL/MSVOA F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SUP-2A-G-2-052019

Quant Time: May 22 03:56:47 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	5.08	168	1187	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.90	114	62	50.00	ug/l	0.11
63) Chlorobenzene-d5	10.11	117	158	50.00	ug/l	0.20
72) 1,4-Dichlorobenzene-d4	12.61	152	180	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	740	88.22	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	176.44%	
35) Dibromofluoromethane	4.38	113	332	699.79	ug/l	0.06
Spiked Amount				50.000		
			Recovery	=	1399.58%	
50) Toluene-d8	7.81	98	300	264.84	ug/l	0.09
Spiked Amount				50.000		
			Recovery	=	529.68%	
62) 4-Bromofluorobenzene	11.73	95	310	721.58	ug/l	0.23
Spiked Amount				50.000		
			Recovery	=	1443.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	364	22.534	ug/l #	41
3) Chloromethane	1.22	50	734	49.349	ug/l	93
4) Vinyl Chloride	1.22	62	448	32.722	ug/l #	41
5) Bromomethane	1.37	94	928	123.900	ug/l	96
6) Chloroethane	1.46	64	285	56.680	ug/l #	45
7) Trichlorofluoromethane	1.55	101	206	11.206	ug/l #	1
8) Diethyl Ether	1.70	74	67	18.397	ug/l	74
9) 1,1,2-Trichlorotrifluoroet	1.91	101	137	11.704	ug/l #	19
10) Methyl Iodide	2.01	142	67	2.914	ug/l #	1
11) Tert butyl alcohol	2.68	59	110	198.636	ug/l #	1
12) 1,1-Dichloroethene	1.87	96	358	33.574	ug/l #	1
13) Acrolein	2.13	56	730	1262.833	ug/l #	82
14) Allyl chloride	2.19	41	1123	116.364	ug/l #	47
15) Acrylonitrile	3.16	53	1046	669.607	ug/l #	26
16) Acetone	2.42	43	1140	523.873	ug/l	91
17) Carbon Disulfide	1.92	76	242	7.657	ug/l #	1
18) Methyl Acetate	2.37	43	527	154.112	ug/l	94
19) Methyl tert-butyl Ether	2.59	73	1524	79.950	ug/l	95
20) Methylene Chloride	2.35	84	413	37.864	ug/l #	30
21) trans-1,2-Dichloroethene	2.45	96	331	31.759	ug/l #	11
22) Diisopropyl ether	2.93	45	364	15.293	ug/l #	1
23) Vinyl Acetate	3.37	43	818	50.945	ug/l #	1
24) 1,1-Dichloroethane	3.00	63	747	42.780	ug/l #	34
25) 2-Butanone	4.57	43	1131	243.266	ug/l	92
26) 2,2-Dichloropropane	3.79	77	2128	212.996	ug/l #	46
27) cis-1,2-Dichloroethene	3.67	96	309	18.024	ug/l	1
28) Bromochloromethane	3.93	49	861	87.918	ug/l #	24
29) Tetrahydrofuran	4.28	42	402	213.673	ug/l #	24
30) Chloroform	4.08	83	198	8.167	ug/l	93
31) Cyclohexane	3.91	56	1124	47.941	ug/l #	28
32) 1,1,1-Trichloroethane	4.29	97	141	8.757	ug/l #	23
36) 1,1-Dichloropropene	4.58	75	299	470.638	ug/l #	52
37) Ethyl Acetate	4.40	43	287	1106.410	ug/l #	75
38) Carbon Tetrachloride	4.30	117	127	265.801	ug/l #	1

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

39) Methylcyclohexane	5.72	83	383	501.023	ug/l #	39
40) Benzene	4.94	78	732	422.937	ug/l	93
41) Methacrylonitrile	5.00	41	598	4397.223	ug/l #	61
42) 1,2-Dichloroethane	5.22	62	239	692.473	ug/l	71
43) Isopropyl Acetate	7.24	43	1225	3645.190	ug/l #	96
44) Trichloroethene	5.75	130	243	499.552	ug/l	97
45) 1,2-Dichloropropane	6.57	63	314	718.694	ug/l #	42
46) Dibromomethane	6.39	93	118	467.330	ug/l #	3
47) Bromodichloromethane	6.69	83	418	797.424	ug/l #	20
48) Methyl methacrylate	7.03	41	388	2208.909	ug/l #	46
49) 1,4-Dioxane	6.97	88	778	345817.231	ug/l #	13
51) 4-Methyl-2-Pentanone	8.53	43	255	1110.098	ug/l #	32
52) Toluene	7.95	92	92	101.357	ug/l #	44
53) t-1,3-Dichloropropene	8.60	75	160	373.091	ug/l #	2
54) cis-1,3-Dichloropropene	7.63	75	326	543.048	ug/l #	7
55) 1,1,2-Trichloroethane	8.81	97	159	591.620	ug/l #	1
56) Ethyl methacrylate	8.86	69	731	2283.046	ug/l	95
57) 1,3-Dichloropropane	9.16	76	257	561.420	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.59	63	155	1487.227	ug/l #	51
59) 2-Hexanone	9.80	43	1250	8986.864	ug/l #	36
60) Dibromochloromethane	8.97	129	102	291.202	ug/l	97
61) 1,2-Dibromoethane	9.14	107	103	360.825	ug/l	82
64) Tetrachloroethene	8.29	164	289	230.883	ug/l #	12
65) Chlorobenzene	9.95	112	222	71.537	ug/l #	1
66) 1,1,1,2-Tetrachloroethane	10.08	131	109	87.494	ug/l #	62
67) Ethyl Benzene	10.05	91	375	69.560	ug/l #	74
68) m/p-Xylenes	10.28	106	102	50.341	ug/l #	1
69) o-Xylene	10.90	106	244	116.914	ug/l	83
70) Styrene	10.94	104	172	54.222	ug/l #	1
71) Bromoform	10.89	173	144	230.790	ug/l #	27
73) Isopropylbenzene	11.23	105	173	13.410	ug/l #	45
74) N-amyl acetate	11.45	43	1599	540.022	ug/l #	70
75) 1,1,2,2-Tetrachloroethane	11.77	83	72	27.309	ug/l #	23
76) 1,2,3-Trichloropropane	11.91	75	167	96.402	ug/l #	1
77) Bromobenzene	11.54	156	119	37.109	ug/l #	19
78) n-propylbenzene	11.66	91	215	14.082	ug/l #	15
79) 2-Chlorotoluene	11.82	91	276	32.077	ug/l #	1
80) 1,3,5-Trimethylbenzene	11.91	105	247	23.877	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	211	274.015	ug/l #	26
82) 4-Chlorotoluene	12.03	91	633	74.602	ug/l	94
83) tert-Butylbenzene	12.18	119	242	23.059	ug/l #	82
84) 1,2,4-Trimethylbenzene	12.28	105	184	18.378	ug/l #	25
85) sec-Butylbenzene	12.37	105	300	21.300	ug/l #	54
86) p-Isopropyltoluene	12.47	119	109	9.183	ug/l #	49
87) 1,3-Dichlorobenzene	12.56	146	271	46.711	ug/l #	23
88) 1,4-Dichlorobenzene	12.64	146	69	12.673	ug/l #	58
89) n-Butylbenzene	12.94	91	287	24.523	ug/l #	52
90) Hexachloroethane	12.95	117	118	41.441	ug/l #	20
91) 1,2-Dichlorobenzene	13.03	146	83	16.049	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.72	75	233	740.808	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	91	24.583	ug/l #	11
94) Hexachlorobutadiene	14.24	225	144	55.741	ug/l #	39
95) Naphthalene	14.50	128	105	15.613	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.66	180	85	24.241	ug/l #	11

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

