

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052419\
 Data File : VF062750.D
 Acq On : 24 May 2019 16:51
 Operator : FY/SY
 Sample : K3041-06
 Misc : 3.18g/5mL/MSVOA F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-2-S2

Quant Time: May 24 23:06:24 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	5.19	168	335	50.00	ug/l	0.12
34) 1,4-Difluorobenzene	5.96	114	59	50.00	ug/l	0.17
63) Chlorobenzene-d5	10.21	117	297	50.00	ug/l	0.29
72) 1,4-Dichlorobenzene-d4	12.60	152	118	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.16	65	222	93.78	ug/l	0.12
Spiked Amount				50.000		
			Recovery	=	187.56%	
35) Dibromofluoromethane	4.45	113	88	194.92	ug/l	0.13
Spiked Amount				50.000		
			Recovery	=	389.84%	
50) Toluene-d8	7.94	98	364	337.68	ug/l	0.22
Spiked Amount				50.000		
			Recovery	=	675.36%	
62) 4-Bromofluorobenzene	11.86	95	165	403.59	ug/l	0.36
Spiked Amount				50.000		
			Recovery	=	807.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	160	35.097	ug/l #	41
3) Chloromethane	1.23	50	285	67.894	ug/l	98
4) Vinyl Chloride	1.20	62	274	70.912	ug/l #	40
5) Bromomethane	1.45	94	930	439.960	ug/l	96
6) Chloroethane	1.47	64	190	133.888	ug/l #	1
7) Trichlorofluoromethane	1.56	101	65	12.528	ug/l #	21
8) Diethyl Ether	1.73	74	651	633.383	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.94	101	64	19.373	ug/l #	19
10) Methyl Iodide	2.02	142	303	46.690	ug/l #	1
11) Tert butyl alcohol	2.74	59	487	3116.013	ug/l #	70
12) 1,1-Dichloroethene	1.92	96	878	291.753	ug/l #	2
13) Acrolein	2.04	56	248	1520.130	ug/l	94
14) Allyl chloride	2.20	41	1870	686.573	ug/l #	70
15) Acrylonitrile	3.18	53	904	2050.513	ug/l #	74
16) Acetone	2.34	43	1631	2655.714	ug/l	91
17) Carbon Disulfide	1.99	76	478	53.589	ug/l #	1
18) Methyl Acetate	2.50	43	1821	1886.866	ug/l #	52
19) Methyl tert-butyl Ether	2.61	73	475	88.294	ug/l #	60
20) Methylene Chloride	2.40	84	403	130.913	ug/l #	15
21) trans-1,2-Dichloroethene	2.46	96	835	283.874	ug/l #	30
22) Diisopropyl ether	3.04	45	1033	153.775	ug/l #	23
23) Vinyl Acetate	3.44	43	733	161.756	ug/l #	73
24) 1,1-Dichloroethane	3.08	63	132	26.785	ug/l #	1
25) 2-Butanone	4.67	43	496	378.013	ug/l #	50
26) 2,2-Dichloropropane	3.90	77	319	113.135	ug/l #	46
27) cis-1,2-Dichloroethene	3.76	96	150	31.002	ug/l	2
28) Bromochloromethane	4.04	49	408	147.619	ug/l #	3
29) Tetrahydrofuran	4.38	42	438	824.904	ug/l #	52
30) Chloroform	4.15	83	347	50.715	ug/l #	16
31) Cyclohexane	4.00	56	314	47.454	ug/l #	70
32) 1,1,1-Trichloroethane	4.39	97	169	37.192	ug/l #	58
36) 1,1-Dichloropropene	4.69	75	369	610.354	ug/l	89
37) Ethyl Acetate	4.46	43	433	1754.130	ug/l #	9
38) Carbon Tetrachloride	4.32	117	118	259.522	ug/l #	12

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.81	83	346	475.636	ug/l #	48
40) Benzene	4.95	78	173	105.039	ug/l #	1
41) Methacrylonitrile	5.06	41	518	4002.642	ug/l #	46
42) 1,2-Dichloroethane	5.23	62	387	1178.299	ug/l #	71
43) Isopropyl Acetate	7.31	43	1921	6006.910	ug/l #	75
44) Trichloroethene	5.86	130	201	434.220	ug/l #	71
45) 1,2-Dichloropropane	6.59	63	293	704.728	ug/l #	1
46) Dibromomethane	6.44	93	243	1011.317	ug/l #	43
47) Bromodichloromethane	6.79	83	233	467.099	ug/l #	79
48) Methyl methacrylate	7.15	41	1616	9667.787	ug/l #	29
49) 1,4-Dioxane	7.07	88	125	58387.075	ug/l #	22
51) 4-Methyl-2-Pentanone	8.72	43	808	3696.343	ug/l #	95
52) Toluene	8.04	92	247	285.957	ug/l #	12
53) t-1,3-Dichloropropene	8.65	75	837	2050.974	ug/l #	89
54) cis-1,3-Dichloropropene	7.71	75	59	103.279	ug/l #	1
55) 1,1,2-Trichloroethane	8.89	97	234	914.959	ug/l #	42
56) Ethyl methacrylate	9.02	69	215	705.628	ug/l #	63
57) 1,3-Dichloropropane	9.28	76	255	585.376	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.69	63	93	937.709	ug/l #	51
59) 2-Hexanone	9.89	43	894	6749.454	ug/l #	93
60) Dibromochloromethane	9.09	129	207	621.019	ug/l #	12
61) 1,2-Dibromoethane	9.42	107	78	287.140	ug/l #	3
64) Tetrachloroethene	8.33	164	72	30.600	ug/l #	1
65) Chlorobenzene	10.05	112	378	64.800	ug/l #	100
66) 1,1,1,2-Tetrachloroethane	9.99	131	113	48.254	ug/l #	75
67) Ethyl Benzene	10.07	91	150	14.802	ug/l #	1
68) m/p-Xylenes	10.26	106	65	17.066	ug/l #	1
69) o-Xylene	10.80	106	80	20.392	ug/l #	1
70) Styrene	10.89	104	227	38.070	ug/l #	1
71) Bromoform	10.86	173	106	90.378	ug/l #	27
73) Isopropylbenzene	11.24	105	359	42.449	ug/l #	45
74) N-amyl acetate	11.49	43	352	177.323	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	11.80	83	325	188.040	ug/l #	6
76) 1,2,3-Trichloropropane	11.85	75	342	301.152	ug/l #	69
77) Bromobenzene	11.60	156	70	33.298	ug/l #	56
78) n-propylbenzene	11.69	91	96	9.591	ug/l #	1
79) 2-Chlorotoluene	11.78	91	152	26.947	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.90	105	571	84.201	ug/l #	22
81) trans-1,4-Dichloro-2-buten	11.95	75	154	305.072	ug/l #	1
82) 4-Chlorotoluene	11.93	91	246	44.225	ug/l #	37
83) tert-Butylbenzene	12.23	119	236	34.302	ug/l #	79
84) 1,2,4-Trimethylbenzene	12.13	105	194	29.557	ug/l #	97
85) sec-Butylbenzene	12.36	105	266	28.809	ug/l #	54
86) p-Isopropyltoluene	12.52	119	679	87.260	ug/l #	1
87) 1,3-Dichlorobenzene	12.59	146	60	15.776	ug/l #	23
88) 1,4-Dichlorobenzene	12.59	146	60	16.811	ug/l #	24
89) n-Butylbenzene	12.95	91	322	41.971	ug/l #	25
90) Hexachloroethane	12.90	117	137	73.394	ug/l #	90
91) 1,2-Dichlorobenzene	13.04	146	330	97.337	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.69	75	193	936.047	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	76	31.318	ug/l #	38
94) Hexachlorobutadiene	14.24	225	159	93.885	ug/l #	16
95) Naphthalene	14.50	128	76	17.239	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.64	180	80	34.803	ug/l #	11

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

