

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052919\
 Data File : VF062783.D
 Acq On : 29 May 2019 15:49
 Operator : FY/SY
 Sample : K3075-01RE
 Misc : 5.67g/5mL/MSVOA F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TEST-PIT-1RE

Quant Time: May 30 08:40:35 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	202	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.67	114	96	50.00	ug/l	-0.12
63) Chlorobenzene-d5	9.72	117	88	50.00	ug/l	-0.20
72) 1,4-Dichlorobenzene-d4	12.75	152	469	50.00	ug/l	0.13

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	316	221.38	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	442.76%	
35) Dibromofluoromethane	4.24	113	151	205.56	ug/l	-0.08
Spiked Amount				50.000		
			Recovery	=	411.12%	
50) Toluene-d8	7.69	98	125	71.27	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	142.54%	
62) 4-Bromofluorobenzene	11.29	95	71	106.73	ug/l	-0.22
Spiked Amount				50.000		
			Recovery	=	213.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.02	85	137	49.838	ug/l #	66
3) Chloromethane	1.13	50	571	225.588	ug/l #	40
4) Vinyl Chloride	1.18	62	361	154.942	ug/l #	41
5) Bromomethane	1.54	94	329	258.119	ug/l	91
6) Chloroethane	1.42	64	290	338.906	ug/l #	1
7) Trichlorofluoromethane	1.49	101	122	38.998	ug/l	99
8) Diethyl Ether	1.75	74	80	129.083	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.90	101	139	69.778	ug/l #	1
10) Methyl Iodide	1.98	142	384	98.131	ug/l #	37
11) Tert butyl alcohol	2.71	59	295	3130.298	ug/l #	70
12) 1,1-Dichloroethene	1.85	96	499	274.989	ug/l #	1
13) Acrolein	2.17	56	758	7705.337	ug/l	98
14) Allyl chloride	2.19	41	1308	796.428	ug/l #	14
15) Acrylonitrile	3.10	53	267	1004.382	ug/l	90
16) Acetone	2.37	43	951	2568.038	ug/l	100
17) Carbon Disulfide	1.92	76	121	22.497	ug/l #	1
18) Methyl Acetate	2.37	43	951	1634.200	ug/l	97
19) Methyl tert-butyl Ether	2.50	73	1067	328.924	ug/l #	64
20) Methylene Chloride	2.33	84	111	59.799	ug/l #	28
21) trans-1,2-Dichloroethene	2.44	96	423	238.492	ug/l #	1
22) Diisopropyl ether	2.95	45	1425	351.799	ug/l #	85
23) Vinyl Acetate	3.29	43	1176	430.384	ug/l #	72
24) 1,1-Dichloroethane	3.02	63	271	91.199	ug/l #	1
25) 2-Butanone	4.62	43	591	746.976	ug/l	94
26) 2,2-Dichloropropane	3.78	77	995	585.224	ug/l #	46
27) cis-1,2-Dichloroethene	3.66	96	889	304.715	ug/l	15
28) Bromochloromethane	3.90	49	158	94.805	ug/l #	1
29) Tetrahydrofuran	4.28	42	422	1318.061	ug/l #	30
30) Chloroform	4.05	83	190	46.053	ug/l #	55
31) Cyclohexane	3.87	56	194	48.623	ug/l #	15
32) 1,1,1-Trichloroethane	4.28	97	479	174.820	ug/l #	38
36) 1,1-Dichloropropene	4.42	75	470	477.786	ug/l #	31
37) Ethyl Acetate	4.24	43	889	2213.382	ug/l #	8
38) Carbon Tetrachloride	4.12	117	503	679.895	ug/l #	12

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.59	83	346	292.318	ug/l	93
40) Benzene	4.71	78	975	363.823	ug/l #	1
41) Methacrylonitrile	4.83	41	1016	4824.936	ug/l #	38
42) 1,2-Dichloroethane	5.01	62	193	361.146	ug/l	71
43) Isopropyl Acetate	6.96	43	571	1097.339	ug/l #	42
44) Trichloroethene	5.56	130	197	261.554	ug/l	47
45) 1,2-Dichloropropane	6.30	63	104	153.733	ug/l #	1
46) Dibromomethane	6.17	93	251	642.001	ug/l #	3
47) Bromodichloromethane	6.42	83	66	81.316	ug/l #	1
48) Methyl methacrylate	6.76	41	1489	5474.711	ug/l #	33
49) 1,4-Dioxane	6.69	88	186	53394.981	ug/l #	25
51) 4-Methyl-2-Pentanone	8.26	43	188	528.566	ug/l #	62
52) Toluene	7.66	92	122	86.805	ug/l	85
53) t-1,3-Dichloropropene	8.24	75	59	88.852	ug/l #	44
54) cis-1,3-Dichloropropene	7.32	75	361	388.372	ug/l #	1
55) 1,1,2-Trichloroethane	8.46	97	83	199.455	ug/l #	59
56) Ethyl methacrylate	8.58	69	263	530.486	ug/l #	43
57) 1,3-Dichloropropane	8.82	76	288	406.320	ug/l #	86
58) 2-Chloroethyl Vinyl ether	7.29	63	310	1921.002	ug/l #	79
59) 2-Hexanone	9.45	43	652	3014.646	ug/l	79
60) Dibromochloromethane	8.66	129	117	215.725	ug/l #	12
61) 1,2-Dibromoethane	8.95	107	88	199.096	ug/l #	3
64) Tetrachloroethene	8.32	164	64	91.801	ug/l #	1
65) Chlorobenzene	9.97	112	280	161.999	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.15	131	122	175.827	ug/l	85
67) Ethyl Benzene	10.03	91	462	153.866	ug/l #	42
68) m/p-Xylenes	10.33	106	309	273.811	ug/l	94
69) o-Xylene	10.76	106	190	163.458	ug/l	59
70) Styrene	10.90	104	145	82.072	ug/l #	1
71) Bromoform	10.90	173	99	284.882	ug/l #	27
73) Isopropylbenzene	11.34	105	415	12.346	ug/l	78
74) N-amyl acetate	11.42	43	680	83.078	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	11.74	83	510	74.241	ug/l #	82
76) 1,2,3-Trichloropropane	11.76	75	461	102.134	ug/l	90
77) Bromobenzene	11.57	156	75	8.976	ug/l #	1
78) n-propylbenzene	11.70	91	77	1.936	ug/l #	1
79) 2-Chlorotoluene	11.73	91	116	5.174	ug/l	74
80) 1,3,5-Trimethylbenzene	11.85	105	173	6.419	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	95	47.349	ug/l #	26
82) 4-Chlorotoluene	12.12	91	360	16.283	ug/l	97
83) tert-Butylbenzene	12.21	119	380	13.896	ug/l #	62
84) 1,2,4-Trimethylbenzene	12.29	105	162	6.210	ug/l	75
85) sec-Butylbenzene	12.40	105	253	6.894	ug/l #	54
86) p-Isopropyltoluene	12.50	119	561	18.139	ug/l #	49
87) 1,3-Dichlorobenzene	12.53	146	234	15.480	ug/l #	23
88) 1,4-Dichlorobenzene	12.64	146	79	5.569	ug/l #	12
89) n-Butylbenzene	12.92	91	156	5.116	ug/l #	25
90) Hexachloroethane	12.98	117	215	28.979	ug/l #	20
91) 1,2-Dichlorobenzene	12.94	146	158	11.726	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.72	75	350	427.088	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	380	39.397	ug/l #	11
94) Hexachlorobutadiene	14.24	225	143	21.244	ug/l #	59
95) Naphthalene	14.48	128	423	24.140	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.60	180	470	51.444	ug/l #	15

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

