

Data Path : W:\HPCHEM1\MSVOA T\DATA\VT051018\
 Data File : VT019073.D
 Acq On : 10 May 2018 13:45
 Operator : SY/MD
 Sample : J2133-03MDL
 Misc : 5.00g/5mL/MSVOA T/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 MDL-SOIL-03-QT2-2018DL

Quant Time: May 11 02:23:31 2018
 Quant Method : W:\HPCHEM1\MSVOA_T\METHODS\2015\82T050818S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 10 07:01:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.44	168	821299	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	8.38	114	1481877	50.00	ug/l	0.00
62) Chlorobenzene-d5	11.22	117	1237378	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.16	152	554359	50.00	ug/l	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	7.80	65	450274	57.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.52%	
34) Dibromofluoromethane	7.35	113	432060	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
49) Toluene-d8	9.91	98	1895282	53.24	ug/l	0.01
Spiked Amount	50.000		Recovery	=	106.48%	
61) 4-Bromofluorobenzene	12.22	95	658086	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.78	85	26205	2.49	ug/l	78
3) Chloromethane	1.96	50	9386	2.62	ug/l #	74
4) Vinyl Chloride	2.10	62	10872	1.88	ug/l #	23
5) Bromomethane	2.46	94	14142	2.99	ug/l	97
6) Chloroethane	2.59	64	10174	2.86	ug/l #	72
7) Trichlorofluoromethane	2.85	101	41081m	2.64	ug/l	
8) Diethyl Ether	3.21	74	6158	2.61	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.60	101	21086	2.80	ug/l #	75
10) Methyl Iodide	3.78	142	28839	2.64	ug/l #	88
11) Tert butyl alcohol	4.56	59	4185	10.61	ug/l #	85
12) 1,1-Dichloroethene	3.56	96	16939	2.53	ug/l #	90
13) Acrolein	3.39	56	3431	17.83	ug/l	95
14) Allyl chloride	4.06	41	30720	2.13	ug/l	91
15) Acrylonitrile	4.72	53	17557	11.56	ug/l #	72
16) Acetone	3.60	43	14752	17.83	ug/l	95
17) Carbon Disulfide	3.89	76	58686m	2.12	ug/l	
18) Methyl Acetate	4.08	43	8697	2.05	ug/l	97
19) Methyl tert-butyl Ether	4.76	73	27430	1.63	ug/l	94
20) Methylene Chloride	4.29	84	29909m	3.36	ug/l	
21) trans-1,2-Dichloroethene	4.74	96	22107	2.24	ug/l	90
22) Diisopropyl ether	5.69	45	48261	1.80	ug/l #	85
23) Vinyl Acetate	5.63	43	103441	8.70	ug/l	97
24) 1,1-Dichloroethane	5.57	63	44215	2.36	ug/l	94
25) 2-Butanone	6.59	43	21631	11.61	ug/l #	86
26) 2,2-Dichloropropane	6.55	77	18642	2.47	ug/l	77
27) cis-1,2-Dichloroethene	6.55	96	21200	2.18	ug/l	88
28) Bromochloromethane	6.95	49	14423	2.32	ug/l	94
29) Chloroform	7.14	83	37950	2.16	ug/l	85
30) Cyclohexane	7.44	56	56250	2.77	ug/l #	50
31) 1,1,1-Trichloroethane	7.33	97	31217	2.30	ug/l	90
35) 1,1-Dichloropropene	7.56	75	32444	1.90	ug/l	99
36) Ethyl Acetate	6.68	43	10759	2.44	ug/l #	56
37) Carbon Tetrachloride	7.54	117	28811	2.06	ug/l	91
38) Methylcyclohexane	8.88	83	35988	1.77	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	7.82	78	97318	2.18	ug/l #	1
40) Methacrylonitrile	6.92	41	5946	2.81	ug/l #	74
41) 1,2-Dichloroethane	7.91	62	21451	2.21	ug/l	99
42) Isopropyl Acetate	7.96	43	10913	1.44	ug/l #	93
43) Trichloroethene	8.63	130	18451	1.80	ug/l	76
44) 1,2-Dichloropropane	8.93	63	20111	1.92	ug/l	94
45) Dibromomethane	9.01	93	8672	2.11	ug/l	84
46) Bromodichloromethane	9.21	83	25264	2.11	ug/l	86
47) Methyl methacrylate	9.01	41	7765	1.98	ug/l #	59
48) 1,4-Dioxane	9.01	88	2165	34.95	ug/l #	57
50) 4-Methyl-2-Pentanone	9.80	43	37643	9.06	ug/l	97
51) Toluene	9.97	92	58602	2.27	ug/l	90
52) t-1,3-Dichloropropene	10.21	75	19260	1.77	ug/l	91
53) cis-1,3-Dichloropropene	9.65	75	22356	1.62	ug/l	91
54) 1,1,2-Trichloroethane	10.38	97	12294	1.97	ug/l #	89
55) Ethyl methacrylate	10.25	69	12010	1.61	ug/l #	69
56) 1,3-Dichloropropane	10.53	76	21793	1.95	ug/l #	86
57) 2-Chloroethyl Vinyl ether	9.51	63	32153	9.33	ug/l	95
58) 2-Hexanone	10.57	43	27356	9.08	ug/l	94
59) Dibromochloromethane	10.73	129	10666	1.64	ug/l	98
60) 1,2-Dibromoethane	10.82	107	9881	1.83	ug/l	87
63) Tetrachloroethene	10.45	164	17661	2.09	ug/l #	81
64) Chlorobenzene	11.25	112	55463	2.16	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.33	131	15269	1.84	ug/l	90
66) Ethyl Benzene	11.33	91	98613	2.01	ug/l	96
67) m/p-Xylenes	11.45	106	62906	3.44	ug/l	79
68) o-Xylene	11.77	106	25738	1.50	ug/l	99
69) Stvrene	11.79	104	43271	1.63	ug/l	89
70) Bromoform	11.96	173	6135	1.94	ug/l #	84
72) Isopropylbenzene	12.08	105	79787	1.78	ug/l	99
73) N-amyl acetate	11.90	43	12996	1.76	ug/l #	91
74) 1,1,2,2-Tetrachloroethane	12.32	83	13462	2.04	ug/l #	66
75) 1,2,3-Trichloropropane	12.37	75	10111m	2.14	ug/l	
76) Bromobenzene	12.35	156	18772	2.12	ug/l	90
77) n-propylbenzene	12.42	91	118516	2.84	ug/l	99
78) 2-Chlorotoluene	12.49	91	63911	1.95	ug/l	98
79) 1,3,5-Trimethylbenzene	12.56	105	79485	2.05	ug/l	87
80) trans-1,4-Dichloro-2-buten	12.12	75	2476m	1.40	ug/l	
81) 4-Chlorotoluene	12.60	91	78008	1.95	ug/l	93
82) tert-Butylbenzene	12.82	119	75092	2.22	ug/l	92
83) 1,2,4-Trimethylbenzene	12.86	105	75527	1.92	ug/l	94
84) sec-Butylbenzene	13.00	105	96100	2.01	ug/l	91
85) p-Isopropyltoluene	13.12	119	77347	1.93	ug/l	97
86) 1,3-Dichlorobenzene	13.10	146	39390	2.11	ug/l	99
87) 1,4-Dichlorobenzene	13.19	146	41072	2.26	ug/l	98
88) n-Butylbenzene	13.44	91	91636	2.13	ug/l	83
89) Hexachloroethane	13.70	117	13390	1.92	ug/l	90
90) 1,2-Dichlorobenzene	13.47	146	32799	2.10	ug/l	96
91) 1,2-Dibromo-3-Chloropropan	14.08	75	2917	3.07	ug/l	70
92) 1,2,4-Trichlorobenzene	14.73	180	19399	1.86	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Hexachlorobutadiene	14.83	225	15270	2.00	ug/l	96
94) Naphthalene	14.95	128	26005	1.54	ug/l #	84
95) 1,2,3-Trichlorobenzene	15.12	180	15982	1.85	ug/l	94

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

