

Data Path : W:\HPCHEM1\MSVOA T\DATA\VT050918\
 Data File : VT019055.D
 Acq On : 9 May 2018 13:52
 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 10 12:03:53 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	1040257	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	8.38	114	1823526	50.00	ug/l	0.00
62) Chlorobenzene-d5	11.22	117	1514395	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.16	152	657816	50.00	ug/l	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	7.80	65	529698	53.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.28%	
34) Dibromofluoromethane	7.35	113	541122	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	
49) Toluene-d8	9.90	98	2402033	54.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.66%	
61) 4-Bromofluorobenzene	12.22	95	844491	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.78	85	33293	2.50	ug/l	86
3) Chloromethane	1.95	50	11364	2.51	ug/l #	64
4) Vinyl Chloride	2.11	62	17748	2.42	ug/l	88
5) Bromomethane	2.44	94	12909	2.16	ug/l	98
6) Chloroethane	2.59	64	9651	2.14	ug/l #	43
7) Trichlorofluoromethane	2.85	101	40119m	2.04	ug/l	
8) Diethyl Ether	3.21	74	6328	2.12	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.60	101	25089	2.63	ug/l #	74
10) Methyl Iodide	3.77	142	29827	2.15	ug/l #	85
11) Tert butyl alcohol	4.53	59	6767	13.55	ug/l #	74
12) 1,1-Dichloroethene	3.56	96	18287	2.16	ug/l #	93
13) Acrolein	3.40	56	3399	13.94	ug/l #	68
14) Allyl chloride	4.06	41	38319	2.09	ug/l	91
15) Acrylonitrile	4.70	53	20741	10.78	ug/l #	82
16) Acetone	3.59	43	17653	16.84	ug/l #	62
18) Methyl Acetate	4.08	43	14072	2.61	ug/l #	70
19) Methyl tert-butyl Ether	4.76	73	37045	1.74	ug/l #	79
20) Methylene Chloride	4.28	84	29623m	2.62	ug/l	
21) trans-1,2-Dichloroethene	4.74	96	23795	1.90	ug/l	95
22) Diisopropyl ether	5.69	45	62803	1.85	ug/l #	95
23) Vinyl Acetate	5.61	43	123214	8.18	ug/l	99
24) 1,1-Dichloroethane	5.56	63	49860	2.10	ug/l #	97
25) 2-Butanone	6.58	43	25483	10.80	ug/l	96
26) 2,2-Dichloropropane	6.56	77	22685	2.37	ug/l	97
27) cis-1,2-Dichloroethene	6.57	96	22600	1.84	ug/l	85
28) Bromochloromethane	6.94	49	17812	2.26	ug/l	89
29) Chloroform	7.13	83	42905	1.93	ug/l	100
30) Cyclohexane	7.43	56	67735	2.63	ug/l #	66
31) 1,1,1-Trichloroethane	7.33	97	33160	1.93	ug/l #	84
35) 1,1-Dichloropropene	7.57	75	36933	1.76	ug/l #	89
36) Ethyl Acetate	6.67	43	10390	1.92	ug/l #	91
37) Carbon Tetrachloride	7.54	117	26837	1.56	ug/l #	90
38) Methylcyclohexane	8.88	83	41308	1.65	ug/l #	92
39) Benzene	7.82	78	114921	2.09	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Methacrylonitrile	6.92	41	4506	1.88	ug/l #	67
41) 1,2-Dichloroethane	7.91	62	21123	1.77	ug/l	78
42) Isopropyl Acetate	7.96	43	15905	1.71	ug/l #	95
43) Trichloroethene	8.63	130	21791	1.73	ug/l	73
44) 1,2-Dichloropropane	8.92	63	26036	2.02	ug/l #	84
45) Dibromomethane	9.01	93	9172m	1.81	ug/l	
46) Bromodichloromethane	9.21	83	25676	1.75	ug/l #	82
47) Methyl methacrylate	9.01	41	7863	1.63	ug/l #	71
48) 1,4-Dioxane	9.01	88	1133	8.33	ug/l #	32
50) 4-Methyl-2-Pentanone	9.80	43	42215	8.26	ug/l	100
51) Toluene	9.97	92	64989	2.05	ug/l	85
52) t-1,3-Dichloropropene	10.21	75	20710	1.55	ug/l	96
53) cis-1,3-Dichloropropene	9.65	75	26450	1.55	ug/l	94
54) 1,1,2-Trichloroethane	10.38	97	15719	2.05	ug/l #	83
55) Ethyl methacrylate	10.25	69	13445	1.46	ug/l	95
56) 1,3-Dichloropropane	10.53	76	25030	1.82	ug/l #	78
57) 2-Chloroethyl Vinyl ether	9.51	63	31168	7.35	ug/l	100
58) 2-Hexanone	10.57	43	29631	7.99	ug/l	99
59) Dibromochloromethane	10.73	129	12051	1.51	ug/l	97
60) 1,2-Dibromoethane	10.82	107	11608	1.75	ug/l	93
63) Tetrachloroethene	10.45	164	20798	2.01	ug/l	86
64) Chlorobenzene	11.25	112	66382	2.12	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.33	131	19032	1.87	ug/l	85
66) Ethyl Benzene	11.33	91	117410	1.95	ug/l	99
67) m/p-Xylenes	11.45	106	79744	3.57	ug/l	84
68) o-Xylene	11.77	106	31868	1.52	ug/l	90
69) Styrene	11.79	104	51290	1.58	ug/l	92
70) Bromoform	11.95	173	6441	1.66	ug/l #	80
72) Isopropylbenzene	12.08	105	99923	1.88	ug/l	95
73) N-amyl acetate	11.90	43	16336	1.87	ug/l #	92
74) 1,1,2,2-Tetrachloroethane	12.32	83	17045	2.18	ug/l	95
75) 1,2,3-Trichloropropane	12.37	75	21072	3.77	ug/l	93
76) Bromobenzene	12.35	156	20394	1.94	ug/l	58
77) n-propylbenzene	12.42	91	149346	2.94	ug/l	95
78) 2-Chlorotoluene	12.49	91	84020	2.16	ug/l	97
79) 1,3,5-Trimethylbenzene	12.56	105	90577	1.96	ug/l	95
80) trans-1,4-Dichloro-2-buten	12.12	75	3814m	1.81	ug/l	
81) 4-Chlorotoluene	12.60	91	95052	2.01	ug/l	90
82) tert-Butylbenzene	12.82	119	79166	1.97	ug/l	98
83) 1,2,4-Trimethylbenzene	12.86	105	88045	1.88	ug/l	92
84) sec-Butylbenzene	13.00	105	107793	1.90	ug/l	92
85) p-Isopropyltoluene	13.12	119	86165	1.81	ug/l	99
86) 1,3-Dichlorobenzene	13.10	146	44832	2.02	ug/l	92
87) 1,4-Dichlorobenzene	13.19	146	52487	2.43	ug/l	93
88) n-Butylbenzene	13.44	91	98799	1.94	ug/l	96
89) Hexachloroethane	13.68	117	13571	1.64	ug/l #	53
90) 1,2-Dichlorobenzene	13.47	146	39482	2.13	ug/l	90
91) 1,2-Dibromo-3-Chloropropan	14.10	75	2606	2.31	ug/l #	66
92) 1,2,4-Trichlorobenzene	14.73	180	25551	2.06	ug/l	77
93) Hexachlorobutadiene	14.83	225	17790	1.96	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Naphthalene	14.94	128	33539	1.67	ug/l #	93
95) 1,2,3-Trichlorobenzene	15.12	180	20346	1.99	ug/l	78

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

