

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
 Data File : VD059793.D
 Acq On : 15 Aug 2018 6:02
 Operator : VA/AP
 Sample : J3762-03
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Quant Time: Aug 15 17:51:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 16:08:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	282141	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	375773	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	308940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	167227	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	194811	53.74	ug/l	0.00
Spiked Amount			Recovery	=	107.48%	
35) Dibromofluoromethane	5.55	113	172113	52.56	ug/l	0.00
Spiked Amount			Recovery	=	105.12%	
50) Toluene-d8	8.71	98	414363	53.42	ug/l	0.00
Spiked Amount			Recovery	=	106.84%	
62) 4-Bromofluorobenzene	11.93	95	173577	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	7535	2.19	ug/l	96
3) Chloromethane	1.49	50	4267	2.26	ug/l #	78
4) Vinyl Chloride	1.57	62	4089	2.05	ug/l	91
5) Bromomethane	1.81	94	2402	3.77	ug/l #	74
6) Chloroethane	1.89	64	1927	2.31	ug/l #	43
7) Trichlorofluoromethane	2.10	101	7081	2.26	ug/l #	79
8) Diethyl Ether	2.36	74	1082	1.79	ug/l	63
9) 1,1,2-Trichlorotrifluoroet	2.57	101	3878	2.20	ug/l	93
10) Methyl Iodide	2.71	142	2899	4.43	ug/l #	77
11) Tert butyl alcohol	3.27	59	930	7.25	ug/l #	74
12) 1,1-Dichloroethene	2.56	96	2837	2.23	ug/l	90
13) Acrolein	2.47	56	283	21.32	ug/l #	11
14) Allyl chloride	2.93	41	6775	2.12	ug/l #	88
15) Acrylonitrile	3.36	53	5017	11.17	ug/l #	80
16) Acetone	2.62	43	7145	12.49	ug/l #	88
17) Carbon Disulfide	2.77	76	8856	2.08	ug/l	97
18) Methyl Acetate	2.94	43	3663	3.00	ug/l #	63
19) Methyl tert-butyl Ether	3.40	73	13458	2.17	ug/l	92
20) Methylene Chloride	3.08	84	11088	4.33	ug/l	95
21) trans-1,2-Dichloroethene	3.40	96	5737	2.29	ug/l	83
22) Diisopropyl ether	4.08	45	19521	2.26	ug/l #	92
23) Vinyl Acetate	4.01	43	50265	10.29	ug/l	99
24) 1,1-Dichloroethane	3.98	63	11982	2.34	ug/l #	88
25) 2-Butanone	4.84	43	9966	11.38	ug/l	94
26) 2,2-Dichloropropane	4.81	77	10147	2.17	ug/l	90
27) cis-1,2-Dichloroethene	4.80	96	5522	2.01	ug/l	87
28) Bromochloromethane	5.16	49	4524	2.25	ug/l #	80
29) Tetrahydrofuran	5.20	42	3984	10.66	ug/l	93
30) Chloroform	5.33	83	13318	2.17	ug/l	96
31) Cyclohexane	5.62	56	15295	4.15	ug/l #	56
32) 1,1,1-Trichloroethane	5.52	97	11206	2.07	ug/l	87
36) 1,1-Dichloropropene	5.75	75	10310	2.67	ug/l	99
37) Ethyl Acetate	4.93	43	4313	2.24	ug/l #	72
38) Carbon Tetrachloride	5.73	117	9980	2.15	ug/l #	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	7419	2.22	ug/l #	90
40) Benzene	6.02	78	19193	2.35	ug/l	96
41) Methacrylonitrile	5.13	41	1663	1.80	ug/l #	61
42) 1,2-Dichloroethane	6.13	62	10393	2.35	ug/l	82
43) Isopropyl Acetate	7.62	43	5220	2.14	ug/l #	86
44) Trichloroethene	6.99	130	6181	2.21	ug/l	91
45) 1,2-Dichloropropane	7.36	63	4556	2.14	ug/l #	85
46) Dibromomethane	7.47	93	3292	1.89	ug/l	97
47) Bromodichloromethane	7.74	83	8484	1.99	ug/l	100
48) Methyl methacrylate	7.50	41	2811	1.77	ug/l #	83
49) 1,4-Dioxane	7.50	88	178	12.72	ug/l #	21
51) 4-Methyl-2-Pentanone	8.60	43	19380	10.53	ug/l	89
52) Toluene	8.81	92	13258	2.53	ug/l	100
53) t-1,3-Dichloropropene	9.19	75	6987	1.98	ug/l	100
54) cis-1,3-Dichloropropene	8.36	75	7565	1.98	ug/l	85
55) 1,1,2-Trichloroethane	9.45	97	4926	2.55	ug/l	90
56) Ethyl methacrylate	9.31	69	4176	1.99	ug/l #	82
57) 1,3-Dichloropropane	9.67	76	7247	2.39	ug/l #	73
58) 2-Chloroethyl Vinyl ether	8.20	63	11403	11.02	ug/l	93
59) 2-Hexanone	9.79	43	12123	9.19	ug/l	91
60) Dibromochloromethane	9.96	129	5145	1.83	ug/l	100
61) 1,2-Dibromoethane	10.09	107	4567	2.13	ug/l	87
64) Tetrachloroethene	9.51	164	5985	2.25	ug/l #	90
65) Chlorobenzene	10.72	112	15120	2.42	ug/l	91
66) 1,1,1,2-Tetrachloroethane	10.85	131	5776	2.29	ug/l	95
67) Ethyl Benzene	10.86	91	27427	2.55	ug/l #	88
68) m/p-Xylenes	11.01	106	17987	4.93	ug/l	96
69) o-Xylene	11.40	106	7933	2.26	ug/l	90
70) Styrene	11.43	104	14413	2.32	ug/l	96
71) Bromoform	11.60	173	2754	1.50	ug/l #	89
73) Isopropylbenzene	11.78	105	25384	2.40	ug/l	98
74) N-amyl acetate	11.65	43	5888	1.81	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.07	83	5079	2.36	ug/l	91
76) 1,2,3-Trichloropropane	12.11	75	5836	2.46	ug/l	90
77) Bromobenzene	12.04	156	7307	2.41	ug/l	95
78) n-propylbenzene	12.15	91	30472	2.31	ug/l	98
79) 2-Chlorotoluene	12.22	91	19882	2.50	ug/l	96
80) 1,3,5-Trimethylbenzene	12.32	105	21229	2.50	ug/l	89
81) trans-1,4-Dichloro-2-buten	11.92	75	87456	157.55	ug/l #	1
82) 4-Chlorotoluene	12.33	91	22179	2.45	ug/l	94
83) tert-Butylbenzene	12.57	119	21172	2.26	ug/l	98
84) 1,2,4-Trimethylbenzene	12.62	105	21266	2.33	ug/l	96
85) sec-Butylbenzene	12.75	105	26108	2.40	ug/l	98
86) p-Isopropyltoluene	12.89	119	21638	2.38	ug/l	91
87) 1,3-Dichlorobenzene	12.84	146	13177	2.43	ug/l	94
88) 1,4-Dichlorobenzene	12.93	146	13900	2.58	ug/l	93
89) n-Butylbenzene	13.19	91	23834	2.59	ug/l	96
90) Hexachloroethane	13.40	117	4673	2.05	ug/l	89
91) 1,2-Dichlorobenzene	13.19	146	12395	2.78	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.77	75	696	1.81	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	8602	2.31	ug/l	90
94) Hexachlorobutadiene	14.43	225	6148	2.23	ug/l	91
95) Naphthalene	14.51	128	13482	2.36	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	7929	2.41	ug/l	91

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

