

Data Path : W:\HPCHEM1\MSVOA_D\DATA\VD091815\
 Data File : VD046791.D
 Acq On : 18 Sep 2015 19:45
 Operator : FY/SY
 Sample : G3707-03LOD 1ppb
 Misc : 5.00gm/5mL/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-SOIL2015-01

Manual Integrations
 APPROVED

MMDadoda
 9/21/2015 11:39:24 AM

Quant Time: Sep 19 00:48:25 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:47:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.31	168	161473	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	225933	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.58	117	216368	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.92	152	109372	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.73	65	98179	58.48	ug/l	0.01
Spiked Amount	50.000		Recovery	=	116.96%	
35) Dibromofluoromethane	6.21	113	92647	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	
50) Toluene-d8	9.62	98	293543	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
62) 4-Bromofluorobenzene	12.85	95	112849	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.42	85	4045	Below Cal		81
3) Chlorodifluoromethane	1.44	51	3529	Below Cal	#	93
4) Chloromethane	1.58	50	1615	1.70	ug/l #	81
5) Vinyl Chloride	1.68	62	1734	1.94	ug/l	92
6) Bromomethane	1.98	94	1689	Below Cal		91
7) Chloroethane	2.09	64	1013	1.81	ug/l	89
8) Trichlorofluoromethane	2.33	101	4704	1.78	ug/l	88
9) Diethyl Ether	2.64	74	620	1.32	ug/l	72
10) 1,1,2-Trichlorotrifluoroet	2.90	101	2673	1.62	ug/l #	79
11) Methyl Iodide	3.06	142	1314	2.39	ug/l	95
12) Tert butyl alcohol	3.66	59	2179	Below Cal	#	74
13) 1,1-Dichloroethene	2.88	96	1740	1.34	ug/l	89
14) Acrolein	2.78	56	494	5.76	ug/l	82
15) Allyl chloride	3.33	41	2990	1.14	ug/l #	78
16) Acrylonitrile	3.85	53	1180	6.02	ug/l #	93
17) Acetone	2.95	43	2804	9.88	ug/l #	88
18) Carbon Disulfide	3.14	76	6700	1.38	ug/l	96
19) Methyl Acetate	3.34	43	2435	1.48	ug/l	98
20) Methyl tert-butyl Ether	3.92	73	2140	1.06	ug/l #	88
21) Methylene Chloride	3.51	84	5676	3.68	ug/l #	94
22) trans-1,2-Dichloroethene	3.90	96	2034	1.39	ug/l #	88
24) Vinyl Acetate	4.62	43	2939	17.69	ug/l #	87
25) 1,1-Dichloroethane	4.57	63	3777	1.41	ug/l #	93
26) 2-Butanone	5.46	43	1928	6.05	ug/l #	63
27) 2,2-Dichloropropane	5.43	77	3986	1.44	ug/l	98
28) cis-1,2-Dichloroethene	5.44	96	2057	1.35	ug/l	53
29) Bromochloromethane	5.80	49	1470	1.39	ug/l #	82
30) Chloroform	5.98	83	5038	1.55	ug/l	95
31) Cyclohexane	6.30	56	6227	2.47	ug/l #	25
32) 1,1,1-Trichloroethane	6.18	97	3944	1.36	ug/l #	84
36) 1,1-Dichloropropene	6.44	75	3290	1.25	ug/l #	91
37) Ethyl Acetate	5.56	43	1836	2.16	ug/l #	88
38) Carbon Tetrachloride	6.41	117	3623	1.32	ug/l	91
39) Methylcyclohexane	8.09	83	2912	1.09	ug/l #	72

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	6.74	78	8672	1.29	ug/l	91
41) Methacrylonitrile	5.74	41	545	1.15	ug/l #	36
42) 1,2-Dichloroethane	6.83	62	2809	1.34	ug/l	97
43) Isopropyl Acetate	8.42	43	1278	1.14	ug/l #	78
44) Trichloroethene	7.75	130	2308	1.37	ug/l	98
45) 1,2-Dichloropropane	8.16	63	1994	1.19	ug/l #	67
46) Dibromomethane	8.27	93	1164	1.23	ug/l	88
47) Bromodichloromethane	8.56	83	3313	1.33	ug/l #	92
48) Methyl methacrylate	8.09	41	2333	1.36	ug/l #	83
51) 4-Methyl-2-Pentanone	9.49	43	4086	5.06	ug/l	96
52) Toluene	9.73	92	5969	1.44	ug/l	79
55) 1,1,2-Trichloroethane	10.40	97	1441	1.34	ug/l #	79
56) Ethyl methacrylate	10.24	69	591m	4.36	ug/l	
57) 1,3-Dichloropropane	10.61	76	2683	1.34	ug/l #	83
58) 2-Chloroethyl Vinyl ether	9.04	63	1892	9.80	ug/l	94
59) 2-Hexanone	10.72	43	2566	4.40	ug/l	85
60) Dibromochloromethane	10.89	129	1931	1.31	ug/l	96
61) 1,2-Dibromoethane	11.02	107	1147	1.08	ug/l	83
64) Tetrachloroethene	10.47	164	2503	1.43	ug/l #	78
65) Chlorobenzene	11.62	112	5961	1.31	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.72	131	2456	1.47	ug/l	93
67) Ethyl Benzene	11.73	91	9665	1.06	ug/l	100
68) m/p-Xylenes	11.88	106	5361	1.86	ug/l	87
71) Bromoform	12.50	173	1047	1.18	ug/l #	75
74) N-amyl acetate	12.51	43	1393	5.36	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.99	83	1630	1.31	ug/l #	90
76) 1,2,3-Trichloropropane	13.04	75	1736	1.30	ug/l	90
77) Bromobenzene	12.99	156	2588	1.33	ug/l	97
78) n-propylbenzene	13.08	91	11517	1.06	ug/l	98
79) 2-Chlorotoluene	13.16	91	6937	1.15	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.74	75	255m	4.40	ug/l	
82) 4-Chlorotoluene	13.28	91	8231	1.14	ug/l	99
87) 1,3-Dichlorobenzene	13.84	146	4871	1.35	ug/l	82
88) 1,4-Dichlorobenzene	13.94	146	5729	1.59	ug/l	90
90) Hexachloroethane	14.48	117	1869	1.26	ug/l	82
91) 1,2-Dichlorobenzene	14.25	146	4131	1.36	ug/l	83
92) 1,2-Dibromo-3-Chloropropan	14.91	75	186	1.16	ug/l #	47
93) 1,2,4-Trichlorobenzene	15.58	180	2229	1.27	ug/l	69
94) Hexachlorobutadiene	15.69	225	2288	1.59	ug/l	82
95) Naphthalene	15.83	128	1897	3.16	ug/l	99
96) 1,2,3-Trichlorobenzene	16.03	180	1965	1.34	ug/l	90

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

