

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122914\
 Data File : BM000073.D
 Acq On : 29 Dec 2014 23:52
 Operator : TP
 Sample : MDL-07-S
 Misc : MDL--SOIL-4PPM
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-7

Manual Integrations
 APPROVED

TEJASKUMAR
 1/7/2015 9:20:59 AM

Quant Time: Dec 31 06:57:42 2014
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM122914.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 31 02:57:11 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	236341	20.00	ng/ul	0.00
18) Naphthalene-d8	10.64	136	1044316	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.48	164	746251	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	1494515	20.00	ng/ul	0.00
75) Chrysene-d12	21.41	240	1412510	20.00	ng/ul	0.00
83) Perylene-d12	23.71	264	1092560	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.33	96	22700	5.57	ng/uL	0.00
5) Phenol-d5	7.00	99	700959	34.24	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	7.18	67	455138	36.36	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	514611	35.30	ng/ul	0.00
13) 4-Methylphenol-d8	8.54	113	568296	35.14	ng/ul	0.00
19) Nitrobenzene-d5	9.00	128	271813	37.64	ng/ul	0.00
22) 2-Nitrophenol-d4	9.72	143	290457	39.46	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.25	165	555157	33.95	ng/ul	0.00
29) 4-Chloroaniline-d4	10.77	131	760297	41.16	ng/ul	0.00
43) Dimethylphthalate-d6	13.89	166	1990657	36.17	ng/ul	0.00
46) Acenaphthylene-d8	14.17	160	2312488	35.07	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	292416	32.89	ng/ul	0.00
57) Fluorene-d10	15.48	176	1643682	34.78	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.58	200	186547	25.17	ng/ul	0.00
70) Anthracene-d10	17.32	188	2529844	36.61	ng/ul	0.00
76) Pyrene-d10	19.61	212	2687383	41.24	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.56	264	1892080	38.38	ng/ul	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.36	88	17755	3.14	ng/uL#	91
4) Benzaldehyde	6.98	77	48039	3.77	ng/ul	99
6) Phenol	7.03	94	67387	3.16	ng/ul	99
8) Bis(2-Chloroethyl)ether	7.27	93	55746	3.42	ng/ul	97
10) 2-Chlorophenol	7.41	128	46888	3.07	ng/ul	100
11) 2-Methylphenol	8.28	108	50040	3.04	ng/ul	97
12) 2,2'-oxybis(1-Chloropropan	8.38	45	90334	3.44	ng/ul	98
14) Acetophenone	8.66	105	89825	3.25	ng/ul	99
15) N-Nitroso-di-n-propylamine	8.65	70	44581	3.08	ng/ul	99
16) 4-Methylphenol	8.61	108	57256	3.22	ng/ul	96
17) Hexachloroethane	8.93	117	22450	3.22	ng/ul	97
20) Nitrobenzene	9.04	77	74080	3.44	ng/ul	97
21) Isophorone	9.57	82	127726	3.08	ng/ul	97
23) 2-Nitrophenol	9.75	139	28472	3.50	ng/ul	96
24) 2,4-Dimethylphenol	9.81	107	69699	3.15	ng/ul	95
25) Bis(2-Chloroethoxy)methane	10.05	93	76225	3.30	ng/ul	96
27) 2,4-Dichlorophenol	10.28	162	50382	3.10	ng/ul#	81
28) Naphthalene	10.69	128	166258	3.12	ng/ul	99
30) 4-Chloroaniline	10.79	127	65949	3.45	ng/ul	96
31) Hexachlorobutadiene	10.97	225	39133	3.40	ng/ul	93
32) Caprolactam	11.59	113	14687m	2.71	ng/ul	
33) 4-Chloro-3-methylphenol	11.91	107	58049	2.91	ng/ul	94
34) 2-Methylnaphthalene	12.30	142	126811	3.21	ng/ul	99

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122914\
 Data File : BM000073.D
 Acq On : 29 Dec 2014 23:52
 Operator : TP
 Sample : MDL-07-S
 Misc : MDL--SOIL-4PPM
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-Soil-7

Manual Integrations
 APPROVED

TEJASKUMAR
 1/7/2015 9:20:59 AM

Quant Time: Dec 31 06:57:42 2014
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM122914.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 31 02:57:11 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.66	216	67441	3.26	ng/ul	96
37) Hexachlorocyclopentadiene	12.65	237	36220	2.65	ng/ul	97
38) 2,4,6-Trichlorophenol	12.90	196	38796	2.94	ng/ul	95
39) 2,4,5-Trichlorophenol	12.97	196	41782	2.91	ng/ul	93
40) 1,1'-Biphenyl	13.32	154	173683	3.23	ng/ul	97
41) 2-Chloronaphthalene	13.35	162	133031	3.23	ng/ul	98
42) 2-Nitroaniline	13.56	65	37975	2.84	ng/ul	95
44) Dimethylphthalate	13.93	163	176436	3.22	ng/ul	98
45) 2,6-Dinitrotoluene	14.05	165	27591	2.81	ng/ul#	83
47) Acenaphthylene	14.20	152	218618	3.14	ng/ul	98
48) 3-Nitroaniline	14.38	138	29389	2.93	ng/ul#	91
49) Acenaphthene	14.54	153	141994	3.20	ng/ul	98
50) 2,4-Dinitrophenol	14.59	184	6644	1.33	ng/ul	92
52) 4-Nitrophenol	14.68	109	35799	3.03	ng/ul	95
53) Dibenzofuran	14.87	168	207914	3.24	ng/ul	96
54) 2,4-Dinitrotoluene	14.84	165	43621	2.98	ng/ul	89
55) 2,3,4,6-Tetrachlorophenol	15.10	232	34627	2.80	ng/ul	99
56) Diethylphthalate	15.29	149	185822	3.23	ng/ul	97
58) Fluorene	15.52	166	173573	3.26	ng/ul	99
59) 4-Chlorophenyl-phenylether	15.52	204	87165	3.32	ng/ul	90
60) 4-Nitroaniline	15.53	138	35621	3.14	ng/ul	93
63) 4,6-Dinitro-2-methylphenol	15.59	198	17643	2.33	ng/ul#	20
64) N-Nitrosodiphenylamine	15.73	169	143774	3.32	ng/ul	99
65) 4-Bromophenyl-phenylether	16.41	248	48669	3.20	ng/ul#	89
66) Hexachlorobenzene	16.53	284	56531	3.22	ng/ul	95
67) Atrazine	16.68	200	52683	3.08	ng/ul	99
68) Pentachlorophenol	16.87	266	23667	2.22	ng/ul	99
69) Phenanthrene	17.26	178	276661	3.42	ng/ul	99
71) Anthracene	17.35	178	269130	3.24	ng/ul	98
72) Carbazole	17.61	167	241891	3.23	ng/ul	98
73) Di-n-butylphthalate	18.19	149	290560	3.25	ng/ul	99
74) Fluoranthene	19.27	202	310635	3.35	ng/ul#	97
77) Pyrene	19.64	202	331212	3.89	ng/ul	96
78) Butylbenzylphthalate	20.54	149	108389	3.13	ng/ul	92
79) 3,3'-Dichlorobenzidine	21.32	252	75051	2.91	ng/ul#	97
80) Benzo(a)anthracene	21.39	228	285185	3.50	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.32	149	154509	3.07	ng/ul#	99
82) Chrysene	21.44	228	248382	3.31	ng/ul	98
84) Di-n-octyl phthalate	22.22	149	218128	2.90	ng/ul	100
85) Benzo(b)fluoranthene	23.01	252	238491	3.42	ng/ul	99
86) Benzo(k)fluoranthene	23.05	252	197752	3.32	ng/ul	100
88) Benzo(a)pyrene	23.60	252	202688	3.31	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	26.04	276	204028	3.19	ng/ul	97
90) Dibenzo(a,h)anthracene	26.05	278	173950	3.23	ng/ul	100
91) Benzo(g,h,i)perylene	26.75	276	166481	3.17	ng/ul	99

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

