Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071416\
Data File : BF088983.D
Acq On : 14 Jul 2016 13:23
Operator : UM/SJ
Sample : H3606-04
Misc : LOQ-20PPM
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LOQ-SOIL2016-02

Manual Integrations APPROVED
Sohil
7/15/2016 9:16:19 AM

Quant Time: Jul 15 01:38:07 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 11 18:13:32 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	71567	20.00	ng		-0.02
21) Naphthalene-d8	7.98	136	299860	20.00	ng		-0.02
38) Acenaphthene-d10	9.71	164	140136	20.00	ng		-0.03
63) Phenanthrene-d10	11.20	188	277189	20.00	ng		-0.02
75) Chrysene-d12	13.82	240	215917	20.00	ng		-0.03
86) Perylene-d12	15.18	264	168334	20.00	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.29	112	448550	93.93	ng		0.00
7) Phenol-d6	6.34	99	621545	100.73	ng		-0.01
23) Nitrobenzene-d5	7.26	82	414882	72.51	ng		-0.02
41) 2,4,6-Tribromophenol	10.51	330	140820	108.21	ng		-0.02
44) 2-Fluorobiphenyl	9.05	172	710576	80.09	ng		-0.02
78) Terphenyl-d14	12.78	244	579480	59.78	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	2.27	88	24088	10.17	ng	#	15
3) Pyridine	2.95	79	73203	10.66	ng		95
4) n-Nitrosodimethylamine	2.86	42	30955	11.79	ng		99
6) Aniline	6.34	93	47386	5.27	ng	#	1
8) 2-Chlorophenol	6.47	128	67787	13.21	ng		86
9) Benzaldehyde	6.23	77	64520	15.44	ng		90
10) Phenol	6.35	94	112414	15.96	ng		85
11) bis(2-Chloroethyl)ether	6.43	93	68241	12.99	ng	#	81
12) 1,3-Dichlorobenzene	6.63	146	76892	13.61	ng		95
13) 1,4-Dichlorobenzene	6.71	146	73536	13.12	ng		97
14) 1,2-Dichlorobenzene	6.86	146	77128m	14.70	ng		
15) Benzyl Alcohol	6.83	79	75858	16.70	ng		90
16) 2,2'-oxybis(1-Chloropropan	6.97	45	81531	10.72	ng		89
17) 2-Methylphenol	6.96	107	62257	14.87	ng		97
18) Hexachloroethane	7.20	117	29928	13.80	ng		91
19) n-Nitroso-di-n-propylamine	7.11	70	56628	13.66	ng		90
20) 3+4-Methylphenols	7.11	107	79036	15.73	ng	#	88
22) Acetophenone	7.10	105	103488	14.22	ng	#	92
24) Nitrobenzene	7.27	77	74780	12.96	ng	#	79
25) Isophorone	7.51	82	136815	12.91	ng	#	93
26) 2-Nitrophenol	7.59	139	37097	15.68	ng	#	96
27) 2,4-Dimethylphenol	7.63	122	59660	12.11	ng	#	86
28) bis(2-Chloroethoxy)methane	7.72	93	83664	12.13	ng	#	94
29) 2,4-Dichlorophenol	7.84	162	57828	14.52	ng		92
30) 1,2,4-Trichlorobenzene	7.92	180	64810	14.83	ng		98
31) Naphthalene	7.99	128	199759	13.51	ng		98
32) Benzoic acid	7.75	122	38946	10.89	ng		96
33) 4-Chloroaniline	8.04	127	30881	4.70	ng		99
34) Hexachlorobutadiene	8.11	225	31203	13.33	ng		98
35) Caprolactam	8.40	113	21587	15.96	ng	#	86
36) 4-Chloro-3-methylphenol	8.54	107	74507	15.82	ng		92
37) 2-Methylnaphthalene	8.68	142	143989	15.13	ng	#	94
39) 1,2,4,5-Tetrachlorobenzene	8.84	216	57336	12.30	ng	#	1
40) Hexachlorocyclopentadiene	8.83	237	20168	8.82	ng		99

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 2,4,6-Trichlorophenol	8.97	196	39881	12.98	ng		99
43) 2,4,5-Trichlorophenol	9.00	196	45229	17.11	ng	#	89
45) 1,1'-Biphenyl	9.14	154	154019	13.27	ng		99
46) 2-Chloronaphthalene	9.16	162	124569	13.67	ng		96
47) 2-Nitroaniline	9.27	65	44087	13.64	ng	#	75
48) Acenaphthylene	9.58	152	203264	14.02	ng		99
49) Dimethylphthalate	9.45	163	165260	16.55	ng		99
50) 2,6-Dinitrotoluene	9.51	165	34152	15.43	ng	#	56
51) Acenaphthene	9.75	154	131283	14.78	ng		97
52) 3-Nitroaniline	9.67	138	18528	6.59	ng		83
53) 2,4-Dinitrophenol	9.78	184	13640	13.96	ng		93
54) Dibenzofuran	9.92	168	183094	15.74	ng	#	86
55) 4-Nitrophenol	9.85	139	28015	13.11	ng	#	78
56) 2,4-Dinitrotoluene	9.91	165	46061	15.92	ng	#	51
57) Fluorene	10.26	166	154631	17.25	ng		98
58) 2,3,4,6-Tetrachlorophenol	10.04	232	34037	16.64	ng	#	50
59) Diethylphthalate	10.15	149	157358	15.71	ng		98
60) 4-Chlorophenyl-phenylether	10.26	204	69723	16.74	ng		97
61) 4-Nitroaniline	10.27	138	35013	12.94	ng	#	70
62) Azobenzene	10.42	77	177758	15.55	ng		95
64) 4,6-Dinitro-2-methylphenol	10.32	198	20025	13.51	ng	#	70
65) n-Nitrosodiphenylamine	10.38	169	123824	13.20	ng		98
66) 4-Bromophenyl-phenylether	10.74	248	35502	12.71	ng	#	66
67) Hexachlorobenzene	10.81	284	40708	13.16	ng	#	90
68) Atrazine	10.90	200	40780	13.95	ng		88
69) Pentachlorophenol	11.00	266	18743	10.24	ng		97
70) Phenanthrene	11.22	178	210541	13.89	ng		96
71) Anthracene	11.27	178	232750	15.45	ng		98
72) Carbazole	11.43	167	206836	14.59	ng		98
73) Di-n-butylphthalate	11.77	149	249640	15.13	ng	#	97
74) Fluoranthene	12.40	202	230625	15.01	ng		92
76) Benzidine	12.53	184	42363	3.88	ng		98
77) Pyrene	12.62	202	214533	11.72	ng		99
79) Butylbenzylphthalate	13.26	149	103317	12.65	ng		94
80) Benzo(a)anthracene	13.81	228	189772	13.65	ng		98
81) 3,3'-Dichlorobenzidine	13.77	252	22048	4.22	ng	#	98
82) Chrysene	13.84	228	158692	11.54	ng		98
83) Bis(2-ethylhexyl)phthalate	13.82	149	139636	14.98	ng		98
84) Di-n-octyl phthalate	14.42	149	225089	14.21	ng	#	100
85) Indeno(1,2,3-cd)pyrene	16.45	276	129157	12.20	ng	#	100
87) Benzo(b)fluoranthene	14.80	252	147921m	14.01	ng		
88) Benzo(k)fluoranthene	14.83	252	157609m	17.14	ng		
89) Benzo(a)pyrene	15.12	252	139597	15.61	ng		98
90) Dibenzo(a,h)anthracene	16.47	278	106118	14.21	ng	#	94
91) Benzo(g,h,i)perylene	16.83	276	104525	13.53	ng		94

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

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