Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
Data File : BF097699.D
Acq On : 15 Aug 2017 19:03
Operator : SJ/JU
Sample : I4754-01MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMPMSD

Manual Integrations APPROVED
Sohil
8/16/2017 6:49:10 PM

Quant Time: Aug 16 11:08:24 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 15 13:25:08 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	132774	20.00	ng		0.00
21) Naphthalene-d8	8.07	136	531790	20.00	ng		0.00
38) Acenaphthene-d10	9.82	164	243841	20.00	ng		0.00
63) Phenanthrene-d10	11.30	188	470128	20.00	ng		0.00
75) Chrysene-d12	13.94	240	283606	20.00	ng		0.00
86) Perylene-d12	15.36	264	266098	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.39	112	844206	96.71	ng		0.00
7) Phenol-d6	6.42	99	1160448	97.84	ng		0.00
23) Nitrobenzene-d5	7.35	82	698649	71.37	ng		0.00
41) 2,4,6-Tribromophenol	10.61	330	217599	102.85	ng		0.00
44) 2-Fluorobiphenyl	9.15	172	949402	57.20	ng		0.00
78) Terphenyl-d14	12.89	244	792129	58.24	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.51	88	117548	24.147	ng		91
3) Pyridine	3.23	79	332703	24.722	ng		88
4) n-Nitrosodimethylamine	3.17	42	149984	28.964	ng		84
6) Aniline	6.45	93	426630	25.606	ng		97
8) 2-Chlorophenol	6.57	128	286514	31.124	ng		98
9) Benzaldehyde	6.33	77	137771	18.339	ng		85
10) Phenol	6.43	94	465305	33.545	ng		92
11) bis(2-Chloroethyl)ether	6.52	93	313033	29.900	ng		97
12) 1,3-Dichlorobenzene	6.72	146	278141	28.089	ng	#	91
13) 1,4-Dichlorobenzene	6.80	146	282980	28.099	ng	#	95
14) 1,2-Dichlorobenzene	6.96	146	271961	29.287	ng		99
15) Benzyl Alcohol	6.92	79	302211	34.034	ng		94
16) 2,2'-oxybis(1-Chloropropan	7.06	45	430890	30.590	ng		92
17) 2-Methylphenol	7.03	107	263015	32.421	ng		96
18) Hexachloroethane	7.30	117	114738	29.060	ng	#	79
19) n-Nitroso-di-n-propylamine	7.20	70	242447	29.862	ng		91
20) 3+4-Methylphenols	7.19	107	325281	32.829	ng	#	88
22) Acetophenone	7.19	105	427947	30.462	ng	#	90
24) Nitrobenzene	7.36	77	366312	33.608	ng		91
25) Isophorone	7.60	82	663812	32.612	ng		96
26) 2-Nitrophenol	7.68	139	135816	35.884	ng	#	73
27) 2,4-Dimethylphenol	7.72	122	265867	31.318	ng		93
28) bis(2-Chloroethoxy)methane	7.82	93	408129	30.498	ng		99
29) 2,4-Dichlorophenol	7.92	162	224867	31.910	ng		94
30) 1,2,4-Trichlorobenzene	8.01	180	223527	28.614	ng		97
31) Naphthalene	8.09	128	816248	29.566	ng		99
32) Benzoic acid	7.82	122	147022	27.003	ng		88
33) 4-Chloroaniline	8.13	127	302014	25.939	ng		98
34) Hexachlorobutadiene	8.21	225	128665	28.209	ng		98
35) Caprolactam	8.50	113	81951m	34.208	ng		
36) 4-Chloro-3-methylphenol	8.62	107	283982	31.366	ng	#	79
37) 2-Methylnaphthalene	8.78	142	531116	31.378	ng		98
39) 1,2,4,5-Tetrachlorobenzene	8.95	216	212875	28.446	ng	#	97
40) Hexachlorocyclopentadiene	8.93	237	228898	63.669	ng		99

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 2,4,6-Trichlorophenol	9.06	196	155463	30.943	ng		97
43) 2,4,5-Trichlorophenol	9.09	196	165529	33.210	ng		96
45) 1,1'-Biphenyl	9.25	154	635600	28.584	ng		96
46) 2-Chloronaphthalene	9.27	162	466070	28.368	ng	#	92
47) 2-Nitroaniline	9.36	65	181837	33.014	ng		97
48) Acenaphthylene	9.68	152	776910	30.112	ng		100
49) Dimethylphthalate	9.55	163	673284	37.774	ng		99
50) 2,6-Dinitrotoluene	9.60	165	118951	33.433	ng	#	50
51) Acenaphthene	9.86	154	512098	31.471	ng		100
52) 3-Nitroaniline	9.77	138	125549	27.351	ng	#	79
53) 2,4-Dinitrophenol	9.87	184	90862	57.023	ng	#	78
54) Dibenzofuran	10.03	168	695789	31.905	ng		100
55) 4-Nitrophenol	9.93	139	218401	59.644	ng	#	35
56) 2,4-Dinitrotoluene	10.00	165	159318	35.682	ng	#	49
57) Fluorene	10.37	166	504510	29.922	ng		97
58) 2,3,4,6-Tetrachlorophenol	10.14	232	138338	35.848	ng		94
59) Diethylphthalate	10.25	149	596148	31.983	ng		100
60) 4-Chlorophenyl-phenylether	10.36	204	235671	30.087	ng		89
61) 4-Nitroaniline	10.39	138	133108	30.510	ng	#	72
62) Azobenzene	10.52	77	722422	32.629	ng		92
64) 4,6-Dinitro-2-methylphenol	10.41	198	64904	32.539	ng		88
65) n-Nitrosodiphenylamine	10.48	169	475725	29.716	ng		99
66) 4-Bromophenyl-phenylether	10.85	248	145667	29.838	ng		98
67) Hexachlorobenzene	10.92	284	140781	28.292	ng	#	92
68) Atrazine	11.01	200	142376	33.535	ng		97
69) Pentachlorophenol	11.10	266	176239	60.745	ng		98
70) Phenanthrene	11.33	178	752356	30.032	ng		100
71) Anthracene	11.38	178	767613	30.210	ng		99
72) Carbazole	11.53	167	709103	29.400	ng		99
73) Di-n-butylphthalate	11.87	149	915618	32.958	ng		99
74) Fluoranthene	12.51	202	745028	28.493	ng		98
76) Benzidine	12.63	184	211112m	22.703	ng		
77) Pyrene	12.74	202	744216	32.084	ng		99
79) Butylbenzylphthalate	13.37	149	335486	37.724	ng	#	68
80) Benzo(a)anthracene	13.93	228	508372	29.908	ng		100
81) 3,3'-Dichlorobenzidine	13.89	252	158551	27.643	ng	#	96
82) Chrysene	13.96	228	494751	29.260	ng		100
83) Bis(2-ethylhexyl)phthalate	13.93	149	406943	41.294	ng	#	99
84) Di-n-octyl phthalate	14.54	149	677848	39.532	ng		100
85) Indeno(1,2,3-cd)pyrene	16.76	276	521070	41.891	ng		95
87) Benzo(b)fluoranthene	14.96	252	468042	27.904	ng		98
88) Benzo(k)fluoranthene	14.98	252	436504	27.700	ng	#	94
89) Benzo(a)pyrene	15.30	252	445042	29.972	ng		99
90) Dibenzo(a,h)anthracene	16.79	278	427432	35.358	ng		99
91) Benzo(g,h,i)perylene	17.19	276	445662	35.332	ng		93

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

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