Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102318\
Data File : BF110087.D
Acq On : 23 Oct 2018 19:42
Operator : JU/SJ
Sample : J5164-03
Misc : MDL 1PPM
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MDL-MDL-SOIL-03-QT4-2018

Manual Integrations APPROVED
Sohil
10/24/2018 5:12:01 PM

Quant Time: Oct 24 05:37:46 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 23 15:06:18 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	177617	20.00	ng		-0.02
21) Naphthalene-d8	8.25	136	760048	20.00	ng		-0.02
39) Acenaphthene-d10	10.00	164	368010	20.00	ng		-0.02
64) Phenanthrene-d10	11.50	188	714435	20.00	ng		-0.02
76) Chrysene-d12	14.14	240	612481	20.00	ng		-0.02
87) Perylene-d12	15.67	264	533979	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.58	112	1385347	127.01	ng		-0.02
7) Phenol-d6	6.59	99	1757125	125.95	ng		-0.02
23) Nitrobenzene-d5	7.53	82	1033129	80.62	ng		-0.02
42) 2,4,6-Tribromophenol	10.80	330	468257	128.45	ng		-0.01
45) 2-Fluorobiphenyl	9.33	172	1888017	80.56	ng		-0.01
79) Terphenyl-d14	13.09	244	1999683	67.90	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	2.83	88	5015	0.878	ng		95
3) Pyridine	3.76	79	11132	0.875	ng		93
4) n-Nitrosodimethylamine	3.57	42	4670	0.876	ng	#	87
6) Aniline	6.63	93	13809	0.760	ng	#	54
8) 2-Chlorophenol	6.75	128	13297	1.057	ng	#	75
9) Benzaldehyde	6.52	77	8192	0.043	ng		93
10) Phenol	6.60	94	15396	1.032	ng	#	64
11) bis(2-Chloroethyl)ether	6.69	93	14050	1.145	ng		92
12) 1,3-Dichlorobenzene	6.90	146	15349	1.109	ng		96
13) 1,4-Dichlorobenzene	6.98	146	14967	1.069	ng		95
14) 1,2-Dichlorobenzene	7.13	146	14456	1.113	ng		98
15) Benzyl Alcohol	7.12	79	26976	2.514	ng	#	50
16) 2,2'-oxybis(1-Chloropropan	7.23	45	21851	1.114	ng		72
17) 2-Methylphenol	7.20	107	10961	1.094	ng	#	84
18) Hexachloroethane	7.47	117	5820	1.136	ng		90
19) n-Nitroso-di-n-propylamine	7.36	70	9144	1.022	ng	#	87
20) 3+4-Methylphenols	7.36	107	12649	0.976	ng	#	77
22) Acetophenone	7.36	105	19993	1.142	ng		96
24) Nitrobenzene	7.55	77	17307	1.308	ng		89
25) Isophorone	7.77	82	25399m	1.163	ng		
26) 2-Nitrophenol	7.86	139	5357	0.851	ng		94
27) 2,4-Dimethylphenol	7.89	122	10630	1.018	ng		99
28) bis(2-Chloroethoxy)methane	7.99	93	16042	1.081	ng		97
29) 2,4-Dichlorophenol	8.10	162	9913	0.940	ng		96
30) 1,2,4-Trichlorobenzene	8.19	180	12798	1.083	ng		93
31) Naphthalene	8.27	128	42396	1.210	ng		98
32) Benzoic acid	7.94	122	2930	0.363	ng	#	81
33) 4-Chloroaniline	8.32	127	11084	0.703	ng		95
34) Hexachlorobutadiene	8.38	225	6887	1.050	ng		96
35) Caprolactam	8.64	113	2934	0.798	ng		98
36) 4-Chloro-3-methylphenol	8.78	107	10754	0.943	ng		95
37) 2-Methylnaphthalene	8.96	142	27610	1.191	ng		95
38) 1-Methylnaphthalene	8.96	142	27610	1.233	ng		93
40) 1,2,4,5-Tetrachlorobenzene	9.13	216	11917	1.039	ng		99

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Hexachlorocyclopentadiene	9.11	237	4660	0.795	ng		97
43) 2,4,6-Trichlorophenol	9.23	196	6554	0.886	ng		95
44) 2,4,5-Trichlorophenol	9.27	196	7483	0.957	ng		96
46) 1,1'-Biphenyl	9.42	154	38577	1.159	ng		98
47) 2-Chloronaphthalene	9.45	162	27011	1.106	ng		96
48) 2-Nitroaniline	9.55	65	6897	0.932	ng		90
49) Acenaphthylene	9.87	152	41214	1.169	ng		98
50) Dimethylphthalate	9.71	163	30107	1.108	ng		98
51) 2,6-Dinitrotoluene	9.78	165	5726	0.979	ng		94
52) Acenaphthene	10.04	154	26118	1.120	ng		97
53) 3-Nitroaniline	9.95	138	5427	0.780	ng	#	94
54) 2,4-Dinitrophenol	10.06	184	490	5.372	ng	#	75
55) Dibenzofuran	10.21	168	38467	1.178	ng		95
56) 4-Nitrophenol	10.10	139	3745	0.727	ng		89
57) 2,4-Dinitrotoluene	10.19	165	6659	0.896	ng	#	92
58) Fluorene	10.55	166	30255	1.245	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.33	232	6052	0.950	ng	#	98
60) Diethylphthalate	10.42	149	29250	1.103	ng		99
61) 4-Chlorophenyl-phenylether	10.55	204	14446	1.127	ng		97
62) 4-Nitroaniline	10.56	138	6346	0.917	ng		93
63) Azobenzene	10.70	77	29362	1.115	ng		98
65) 4,6-Dinitro-2-methylphenol	10.60	198	1336	0.409	ng		85
66) n-Nitrosodiphenylamine	10.66	169	24486	1.045	ng		96
67) 4-Bromophenyl-phenylether	11.04	248	7585	0.979	ng		87
68) Hexachlorobenzene	11.10	284	8875	1.079	ng	#	85
69) Atrazine	11.18	200	7648	1.033	ng		95
70) Pentachlorophenol	11.30	266	1621	0.338	ng	#	84
71) Phenanthrene	11.52	178	46145	1.234	ng		99
72) Anthracene	11.57	178	46590	1.243	ng		97
73) Carbazole	11.73	167	38597	1.055	ng		98
74) Di-n-butylphthalate	12.05	149	45586	1.103	ng		99
75) Fluoranthene	12.72	202	45874	1.209	ng		99
77) Benzidine	12.83	184	7255	0.281	ng		95
78) Pyrene	12.94	202	46584	1.061	ng		97
80) Butylbenzylphthalate	13.55	149	16161	0.848	ng		97
81) Benzo(a)anthracene	14.13	228	42452	1.169	ng		99
82) 3,3'-Dichlorobenzidine	14.09	252	9199	0.727	ng		94
83) Chrysene	14.17	228	40534	1.175	ng		96
84) Bis(2-ethylhexyl)phthalate	14.10	149	24023	0.932	ng		99
85) Di-n-octyl phthalate	14.72	149	38555	0.962	ng	#	95
86) Indeno(1,2,3-cd)pyrene	17.22	276	28826	1.007	ng	#	93
88) Benzo(b)fluoranthene	15.21	252	34003	1.103	ng		99
89) Benzo(k)fluoranthene	15.24	252	34889	1.151	ng		97
90) Benzo(a)pyrene	15.60	252	31167	1.098	ng		97
91) Dibenzo(a,h)anthracene	17.23	278	24549	1.003	ng		97
92) Benzo(g,h,i)perylene	17.69	276	24122	1.000	ng		93

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

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