Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022125\
Data File : BF141721.D
Acq On : 21 Feb 2025 15:47
Operator : RC/JU
Sample : Q1393-02MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Quant Time: Feb 21 16:06:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.781	152	90376	20.000	ng		-0.01
21) Naphthalene-d8	8.063	136	362086	20.000	ng		-0.01
39) Acenaphthene-d10	9.816	164	197579	20.000	ng		-0.02
64) Phenanthrene-d10	11.298	188	313720	20.000	ng		-0.02
76) Chrysene-d12	13.939	240	181154	20.000	ng		-0.02
86) Perylene-d12	15.374	264	189452	20.000	ng		-0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.422	112	781946	135.643	ng		0.01
7) Phenol-d6	6.428	99	905797	124.318	ng		-0.01
23) Nitrobenzene-d5	7.345	82	679701	97.910	ng		-0.02
42) 2,4,6-Tribromophenol	10.610	330	292329	147.286	ng		-0.02
45) 2-Fluorobiphenyl	9.139	172	1291463	100.703	ng		-0.01
79) Terphenyl-d14	12.880	244	1176848	109.670	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	2.681	88	92938	40.057	ng	#	80
3) Pyridine	3.399	79	168300	30.483	ng		93
4) n-Nitrosodimethylamine	3.304	42	140275	38.370	ng		89
6) Aniline	6.451	93	56913	8.327	ng	#	1
8) 2-Chlorophenol	6.575	128	279384	44.852	ng		98
9) Benzaldehyde	6.334	77	56919	14.701	ng		99
10) Phenol	6.440	94	287467	37.907	ng		81
11) bis(2-Chloroethyl)ether	6.516	93	257476	45.203	ng		99
12) 1,3-Dichlorobenzene	6.722	146	268609	40.846	ng		97
13) 1,4-Dichlorobenzene	6.798	146	276046	41.085	ng		98
14) 1,2-Dichlorobenzene	6.945	146	268582	43.070	ng		99
15) Benzyl Alcohol	6.934	79	229272	41.034	ng		95
16) 2,2'-oxybis(1-Chloropr...	7.057	45	397722	40.790	ng		63
17) 2-Methylphenol	7.051	107	221279	45.395	ng	#	90
18) Hexachloroethane	7.287	117	102521	41.230	ng		98
19) n-Nitroso-di-n-propyla...	7.198	70	200283	45.955	ng		94
20) 3+4-Methylphenols	7.204	107	288379	46.551	ng	#	78
22) Acetophenone	7.192	105	439166	48.758	ng		92
24) Nitrobenzene	7.363	77	292897	43.268	ng		99
25) Isophorone	7.604	82	535287	48.359	ng		98
26) 2-Nitrophenol	7.681	139	155372	46.133	ng		94
27) 2,4-Dimethylphenol	7.722	122	234523	59.608	ng		99
28) bis(2-Chloroethoxy)met...	7.810	93	332775	46.918	ng		99
29) 2,4-Dichlorophenol	7.934	162	248070	46.665	ng		99
30) 1,2,4-Trichlorobenzene	8.004	180	254427	43.951	ng		100
31) Naphthalene	8.081	128	822064	43.616	ng		100
32) Benzoic acid	7.875	122	201752m	49.368	ng		
33) 4-Chloroaniline	8.151	127	24373	3.704	ng		97
34) Hexachlorobutadiene	8.198	225	152920	44.002	ng		99
35) Caprolactam	8.516	113	69976m	43.234	ng		
36) 4-Chloro-3-methylphenol	8.633	107	261751	44.451	ng		98
37) 2-Methylnaphthalene	8.775	142	532128	43.386	ng		100
38) 1-Methylnaphthalene	8.875	142	519669	43.747	ng		98
40) 1,2,4,5-Tetrachloroben...	8.939	216	288834	50.529	ng		99
41) Hexachlorocyclopentadiene	8.922	237	284874	149.835	ng		98
43) 2,4,6-Trichlorophenol	9.057	196	172722	46.752	ng		100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	186253	46.518	ng		98
46) 1,1'-Biphenyl	9.239	154	786806	51.365	ng		100
47) 2-Chloronaphthalene	9.263	162	530670	46.849	ng		99
48) 2-Nitroaniline	9.363	65	163058	42.894	ng		98
49) Acenaphthylene	9.675	152	817165	48.503	ng		100
50) Dimethylphthalate	9.539	163	656700	48.959	ng		99
51) 2,6-Dinitrotoluene	9.604	165	138640	47.282	ng		98
52) Acenaphthene	9.845	154	515763	45.535	ng		99
53) 3-Nitroaniline	9.775	138	25265	8.006	ng		96
54) 2,4-Dinitrophenol	9.892	184	179706	103.120	ng		92
55) Dibenzofuran	10.022	168	733030	44.091	ng		99
56) 4-Nitrophenol	9.957	139	161371	68.881	ng		95
57) 2,4-Dinitrotoluene	10.010	165	183025	46.888	ng		99
58) Fluorene	10.363	166	585632	45.558	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.145	232	160579	46.583	ng		96
60) Diethylphthalate	10.239	149	611413	46.330	ng		99
61) 4-Chlorophenyl-phenyle...	10.357	204	289191	46.762	ng		97
62) 4-Nitroaniline	10.392	138	105428	32.899	ng		97
63) Azobenzene	10.516	77	569700	43.424	ng		96
65) 4,6-Dinitro-2-methylph...	10.422	198	109429	50.214	ng		94
66) n-Nitrosodiphenylamine	10.475	169	463602	46.164	ng		99
67) 4-Bromophenyl-phenylether	10.845	248	175714	50.115	ng		97
68) Hexachlorobenzene	10.910	284	185150	51.281	ng		98
69) Atrazine	11.004	200	135234	44.887	ng		99
70) Pentachlorophenol	11.110	266	206659	89.517	ng		100
71) Phenanthrene	11.327	178	841233	48.714	ng		100
72) Anthracene	11.374	178	852683	49.119	ng		100
73) Carbazole	11.533	167	643782	41.216	ng		100
74) Di-n-butylphthalate	11.857	149	858118	47.579	ng		99
75) Fluoranthene	12.510	202	760491	41.538	ng		100
77) Benzidine	12.651	184	20466	5.123	ng	#	88
78) Pyrene	12.739	202	749809	48.622	ng		99
80) Butylbenzylphthalate	13.357	149	277617	51.974	ng		99
81) Benzo(a)anthracene	13.927	228	590942	49.074	ng		99
82) 3,3'-Dichlorobenzidine	13.892	252	35195	10.203	ng		97
83) Chrysene	13.963	228	538654	48.445	ng		100
84) Bis(2-ethylhexyl)phtha...	13.910	149	361469	60.002	ng		100
85) Di-n-octyl phthalate	14.521	149	599908	69.804	ng		97
87) Indeno(1,2,3-cd)pyrene	16.809	276	570566	48.741	ng		98
88) Benzo(b)fluoranthene	14.962	252	572971	45.042	ng		99
89) Benzo(k)fluoranthene	14.992	252	557469	51.321	ng		98
90) Benzo(a)pyrene	15.315	252	536840	52.155	ng		98
91) Dibenzo(a,h)anthracene	16.821	278	473288	49.897	ng		98
92) Benzo(g,h,i)perylene	17.239	276	416705	41.981	ng		100

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

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