Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022125\
Data File : BF141726.D
Acq On : 21 Feb 2025 18:14
Operator : RC/JU
Sample : Q1393-01MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Quant Time: Feb 21 21:49:29 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	93428	20.000	ng		-0.01
21) Naphthalene-d8	8.063	136	368497	20.000	ng		-0.01
39) Acenaphthene-d10	9.816	164	187214	20.000	ng		-0.02
64) Phenanthrene-d10	11.298	188	260341	20.000	ng		-0.02
76) Chrysene-d12	13.939	240	184303	20.000	ng		-0.02
86) Perylene-d12	15.374	264	150876	20.000	ng		-0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.410	112	604571	101.448	ng		0.00
7) Phenol-d6	6.428	99	747459	99.235	ng		-0.01
23) Nitrobenzene-d5	7.345	82	492996	69.780	ng		-0.02
42) 2,4,6-Tribromophenol	10.604	330	170055	90.424	ng		-0.02
45) 2-Fluorobiphenyl	9.134	172	883101	72.673	ng		-0.02
79) Terphenyl-d14	12.880	244	722590	66.188	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	2.558	88	98985	41.269	ng		97
3) Pyridine	3.287	79	220783	38.682	ng		94
4) n-Nitrosodimethylamine	3.240	42	141582	37.463	ng		92
6) Aniline	6.446	93	147199	20.833	ng	#	55
8) 2-Chlorophenol	6.569	128	266926	41.452	ng		99
9) Benzaldehyde	6.328	77	117116	29.260	ng		99
10) Phenol	6.440	94	324721	41.421	ng		86
11) bis(2-Chloroethyl)ether	6.516	93	245857	41.753	ng		100
12) 1,3-Dichlorobenzene	6.722	146	285281	41.964	ng		97
13) 1,4-Dichlorobenzene	6.798	146	287123	41.338	ng		98
14) 1,2-Dichlorobenzene	6.945	146	274099	42.519	ng		100
15) Benzyl Alcohol	6.928	79	226999	39.300	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.057	45	386944	38.388	ng		77
17) 2-Methylphenol	7.045	107	208507	41.377	ng		96
18) Hexachloroethane	7.287	117	106613	41.475	ng		98
19) n-Nitroso-di-n-propyla...	7.198	70	182885	40.592	ng		94
20) 3+4-Methylphenols	7.204	107	271346	42.371	ng	#	72
22) Acetophenone	7.193	105	413246	45.082	ng		93
24) Nitrobenzene	7.363	77	281283	40.829	ng		99
25) Isophorone	7.604	82	489286	43.435	ng		99
26) 2-Nitrophenol	7.681	139	142192	41.485	ng		95
27) 2,4-Dimethylphenol	7.722	122	210323	52.527	ng		99
28) bis(2-Chloroethoxy)met...	7.816	93	303846	42.094	ng		100
29) 2,4-Dichlorophenol	7.928	162	222355	41.100	ng		99
30) 1,2,4-Trichlorobenzene	8.004	180	238588	40.498	ng		99
31) Naphthalene	8.087	128	776256	40.469	ng		100
32) Benzoic acid	7.863	122	152362	36.634	ng		99
33) 4-Chloroaniline	8.151	127	37431	5.589	ng		98
34) Hexachlorobutadiene	8.198	225	151111	42.725	ng		99
35) Caprolactam	8.510	113	73727m	44.759	ng		
36) 4-Chloro-3-methylphenol	8.634	107	230487	38.461	ng		98
37) 2-Methylnaphthalene	8.775	142	487035	39.019	ng		99
38) 1-Methylnaphthalene	8.875	142	467914	38.705	ng		100
40) 1,2,4,5-Tetrachloroben...	8.939	216	261681	48.313	ng		99
41) Hexachlorocyclopentadiene	8.922	237	199572	110.780	ng		98
43) 2,4,6-Trichlorophenol	9.057	196	148390	42.389	ng		98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	156149	41.158	ng	96
46) 1,1'-Biphenyl	9.239	154	685262	47.213	ng	100
47) 2-Chloronaphthalene	9.263	162	463205	43.157	ng	99
48) 2-Nitroaniline	9.363	65	144295	40.060	ng	97
49) Acenaphthylene	9.675	152	685649	42.950	ng	99
50) Dimethylphthalate	9.539	163	546933	43.033	ng	100
51) 2,6-Dinitrotoluene	9.604	165	117010	42.115	ng	97
52) Acenaphthene	9.845	154	430815	40.141	ng	99
53) 3-Nitroaniline	9.775	138	62718	20.973	ng	96
54) 2,4-Dinitrophenol	9.892	184	106124	64.268	ng	91
55) Dibenzofuran	10.022	168	607233	38.547	ng	99
56) 4-Nitrophenol	9.957	139	143873	64.812	ng	95
57) 2,4-Dinitrotoluene	10.010	165	148094	40.039	ng	99
58) Fluorene	10.363	166	469956	38.583	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.145	232	122979	37.651	ng	93
60) Diethylphthalate	10.239	149	508283	40.648	ng	99
61) 4-Chlorophenyl-phenyle...	10.351	204	236788	40.409	ng	99
62) 4-Nitroaniline	10.386	138	98665	32.494	ng	97
63) Azobenzene	10.516	77	564933	45.445	ng	90
65) 4,6-Dinitro-2-methylph...	10.422	198	71256	39.401	ng	90
66) n-Nitrosodiphenylamine	10.475	169	406355	48.760	ng	99
67) 4-Bromophenyl-phenylether	10.845	248	136956	47.070	ng	99
68) Hexachlorobenzene	10.910	284	140125	46.768	ng	99
69) Atrazine	11.004	200	144322	57.726	ng	99
70) Pentachlorophenol	11.110	266	128272	66.955	ng	99
71) Phenanthrene	11.322	178	611288	42.656	ng	100
72) Anthracene	11.375	178	624653	43.361	ng	100
73) Carbazole	11.533	167	519008	40.040	ng	99
74) Di-n-butylphthalate	11.857	149	652629	43.605	ng	100
75) Fluoranthene	12.510	202	571495	37.615	ng	99
77) Benzidine	12.639	184	158072	38.889	ng	98
78) Pyrene	12.739	202	581984	37.095	ng	99
80) Butylbenzylphthalate	13.357	149	245866	45.244	ng	97
81) Benzo(a)anthracene	13.927	228	522266	42.630	ng	99
82) 3,3'-Dichlorobenzidine	13.892	252	120998	34.478	ng	98
83) Chrysene	13.963	228	477306	42.194	ng	100
84) Bis(2-ethylhexyl)phtha...	13.910	149	331301	54.054	ng	100
85) Di-n-octyl phthalate	14.521	149	543489	62.159	ng	98
87) Indeno(1,2,3-cd)pyrene	16.804	276	342420	36.731	ng	100
88) Benzo(b)fluoranthene	14.963	252	429842	42.430	ng	99
89) Benzo(k)fluoranthene	14.992	252	408858	47.263	ng	98
90) Benzo(a)pyrene	15.316	252	373556	45.570	ng	99
91) Dibenzo(a,h)anthracene	16.815	278	281130	37.217	ng	98
92) Benzo(g,h,i)perylene	17.233	276	254920	32.249	ng	99

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

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