Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142982.D
Acq On : 02 Jul 2025 20:52
Operator : RC/JU
Sample : Q2475-01MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMS

Quant Time: Jul 03 01:09:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	59177	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	222831	20.000	ng		-0.01
39) Acenaphthene-d10	9.916	164	115354	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	168872	20.000	ng		0.00
76) Chrysene-d12	14.057	240	125535	20.000	ng		0.00
86) Perylene-d12	15.545	264	103117	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	251153	70.661	ng		0.00
7) Phenol-d6	6.504	99	310182	73.969	ng		0.00
23) Nitrobenzene-d5	7.440	82	190246	46.830	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	80472	67.790	ng		0.00
45) 2-Fluorobiphenyl	9.234	172	377618	43.004	ng		-0.01
79) Terphenyl-d14	12.986	244	303952	33.455	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.646	88	50385	35.441	ng		99
3) Pyridine	3.416	79	138323	38.811	ng		98
4) n-Nitrosodimethylamine	3.369	42	78305	42.487	ng		99
6) Aniline	6.534	93	206267	36.967	ng	#	87
8) 2-Chlorophenol	6.657	128	174364	45.477	ng		98
9) Benzaldehyde	6.422	77	125658	50.508	ng		100
10) Phenol	6.522	94	206764	44.358	ng		89
11) bis(2-Chloroethyl)ether	6.604	93	148327	44.523	ng		97
12) 1,3-Dichlorobenzene	6.810	146	186383	43.466	ng		99
13) 1,4-Dichlorobenzene	6.892	146	193602	44.750	ng		99
14) 1,2-Dichlorobenzene	7.040	146	183230	44.653	ng		100
15) Benzyl Alcohol	7.016	79	140744	46.426	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	225044	42.044	ng		88
17) 2-Methylphenol	7.128	107	134142	46.167	ng		98
18) Hexachloroethane	7.387	117	68120	45.017	ng		96
19) n-Nitroso-di-n-propyla...	7.287	70	111743	45.817	ng		97
20) 3+4-Methylphenols	7.281	107	170574	47.085	ng		93
22) Acetophenone	7.281	105	229876	46.781	ng		99
24) Nitrobenzene	7.457	77	166143	45.185	ng		97
25) Isophorone	7.698	82	299934	46.024	ng		99
26) 2-Nitrophenol	7.775	139	96620	48.238	ng		99
27) 2,4-Dimethylphenol	7.810	122	153802	44.330	ng		99
28) bis(2-Chloroethoxy)met...	7.904	93	192553	46.475	ng		100
29) 2,4-Dichlorophenol	8.016	162	148099	47.077	ng		99
30) 1,2,4-Trichlorobenzene	8.098	180	157040	45.397	ng		99
31) Naphthalene	8.181	128	506422	46.430	ng		100
32) Benzoic acid	7.934	122	79014	44.682	ng		98
33) 4-Chloroaniline	8.228	127	104242	23.504	ng		99
34) Hexachlorobutadiene	8.292	225	98678	46.635	ng		99
35) Caprolactam	8.604	113	45342	54.620	ng		94
36) 4-Chloro-3-methylphenol	8.716	107	148675	47.553	ng		99
37) 2-Methylnaphthalene	8.869	142	317355	46.932	ng		99
38) 1-Methylnaphthalene	8.969	142	326102	46.586	ng		100
40) 1,2,4,5-Tetrachloroben...	9.039	216	161218	47.365	ng		99
41) Hexachlorocyclopentadiene	9.022	237	126192	65.332	ng		98
43) 2,4,6-Trichlorophenol	9.151	196	105655	47.636	ng		100

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44) 2,4,5-Trichlorophenol	9.198	196	107771	46.159	ng	98
46) 1,1'-Biphenyl	9.334	154	435667	47.811	ng	99
47) 2-Chloronaphthalene	9.363	162	316479	46.281	ng	100
48) 2-Nitroaniline	9.457	65	92141	48.062	ng	99
49) Acenaphthylene	9.781	152	532281	47.284	ng	100
50) Dimethylphthalate	9.639	163	377610	50.571	ng	100
51) 2,6-Dinitrotoluene	9.704	165	79528	48.498	ng	97
52) Acenaphthene	9.951	154	349979m	50.956	ng	
53) 3-Nitroaniline	9.869	138	56022	31.030	ng	100
54) 2,4-Dinitrophenol	9.986	184	71826	87.477	ng	96
55) Dibenzofuran	10.122	168	457672	46.470	ng	99
56) 4-Nitrophenol	10.039	139	105462	85.325	ng	98
57) 2,4-Dinitrotoluene	10.110	165	103688	47.604	ng	98
58) Fluorene	10.469	166	365658	47.539	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	84024	44.647	ng	95
60) Diethylphthalate	10.333	149	375686	51.315	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	173018	47.139	ng	99
62) 4-Nitroaniline	10.486	138	77272	46.798	ng	97
63) Azobenzene	10.616	77	324375	49.573	ng	96
65) 4,6-Dinitro-2-methylph...	10.522	198	49114	48.083	ng	98
66) n-Nitrosodiphenylamine	10.575	169	302063	51.611	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	99683	51.866	ng	96
68) Hexachlorobenzene	11.016	284	100995	47.292	ng	99
69) Atrazine	11.104	200	89091	58.948	ng	99
70) Pentachlorophenol	11.210	266	98902	92.939	ng	99
71) Phenanthrene	11.433	178	536655	58.665	ng	99
72) Anthracene	11.480	178	453294	48.316	ng	100
73) Carbazole	11.639	167	398188	49.182	ng	100
74) Di-n-butylphthalate	11.963	149	501082	59.411	ng	100
75) Fluoranthene	12.622	202	715937	82.465	ng	100
77) Benzidine	12.745	184	287333	60.921	ng	99
78) Pyrene	12.851	202	677295	57.559	ng	99
80) Butylbenzylphthalate	13.463	149	181617	53.209	ng	97
81) Benzo(a)anthracene	14.045	228	510028	60.225	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	80610	29.346	ng	98
83) Chrysene	14.080	228	470396	62.248	ng	100
84) Bis(2-ethylhexyl)phtha...	14.021	149	251873	51.288	ng	98
85) Di-n-octyl phthalate	14.633	149	421576	45.526	ng	98
87) Indeno(1,2,3-cd)pyrene	17.057	276	280284	35.685	ng	98
88) Benzo(b)fluoranthene	15.110	252	434897	72.886	ng	99
89) Benzo(k)fluoranthene	15.139	252	363291m	65.078	ng	
90) Benzo(a)pyrene	15.480	252	337212	58.500	ng	100
91) Dibenzo(a,h)anthracene	17.068	278	214223	33.568	ng	99
92) Benzo(g,h,i)perylene	17.515	276	214912	33.772	ng	99

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

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