Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142983.D
Acq On : 02 Jul 2025 21:22
Operator : RC/JU
Sample : Q2475-01MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMSD

Quant Time: Jul 03 01:09:44 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	59335	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	228314	20.000	ng		-0.01
39) Acenaphthene-d10	9.916	164	114108	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	156089	20.000	ng		0.00
76) Chrysene-d12	14.051	240	121729	20.000	ng		0.00
86) Perylene-d12	15.545	264	97715	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	249556	70.025	ng		0.00
7) Phenol-d6	6.504	99	308404	73.349	ng		0.00
23) Nitrobenzene-d5	7.439	82	186323	44.763	ng		0.00
42) 2,4,6-Tribromophenol	10.704	330	72486	61.730	ng		-0.01
45) 2-Fluorobiphenyl	9.233	172	365207	42.045	ng		-0.01
79) Terphenyl-d14	12.986	244	276488	31.383	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.646	88	51211	35.926	ng		99
3) Pyridine	3.416	79	137509	38.480	ng		99
4) n-Nitrosodimethylamine	3.369	42	78126	42.277	ng		99
6) Aniline	6.534	93	203950	36.455	ng	#	86
8) 2-Chlorophenol	6.657	128	171373	44.578	ng		99
9) Benzaldehyde	6.422	77	123673	49.578	ng		98
10) Phenol	6.522	94	207052	44.301	ng		90
11) bis(2-Chloroethyl)ether	6.604	93	148392	44.424	ng		98
12) 1,3-Dichlorobenzene	6.816	146	189542	44.085	ng		99
13) 1,4-Dichlorobenzene	6.892	146	189979	43.796	ng		98
14) 1,2-Dichlorobenzene	7.039	146	181259	44.055	ng		98
15) Benzyl Alcohol	7.016	79	139016	45.734	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	220985	41.176	ng		89
17) 2-Methylphenol	7.128	107	130676	44.855	ng		98
18) Hexachloroethane	7.387	117	66516	43.840	ng		96
19) n-Nitroso-di-n-propyla...	7.287	70	110118	45.030	ng		98
20) 3+4-Methylphenols	7.281	107	167958	46.239	ng		93
22) Acetophenone	7.281	105	227000	45.087	ng		99
24) Nitrobenzene	7.457	77	164177	43.578	ng		98
25) Isophorone	7.698	82	294180	44.057	ng		99
26) 2-Nitrophenol	7.775	139	95154	46.365	ng		98
27) 2,4-Dimethylphenol	7.810	122	152362	42.860	ng		100
28) bis(2-Chloroethoxy)met...	7.904	93	187498	44.168	ng		99
29) 2,4-Dichlorophenol	8.016	162	144183	44.732	ng		99
30) 1,2,4-Trichlorobenzene	8.098	180	155061	43.749	ng		99
31) Naphthalene	8.181	128	489860	43.833	ng		100
32) Benzoic acid	7.928	122	77897	42.992	ng		99
33) 4-Chloroaniline	8.228	127	99788	21.959	ng		98
34) Hexachlorobutadiene	8.292	225	97097	44.786	ng		98
35) Caprolactam	8.604	113	43452	51.087	ng		94
36) 4-Chloro-3-methylphenol	8.716	107	144392	45.074	ng		100
37) 2-Methylnaphthalene	8.869	142	306158	44.188	ng		99
38) 1-Methylnaphthalene	8.969	142	314995	43.919	ng		100
40) 1,2,4,5-Tetrachloroben...	9.039	216	155004	46.037	ng		99
41) Hexachlorocyclopentadiene	9.022	237	119067	62.317	ng		99
43) 2,4,6-Trichlorophenol	9.151	196	100027	45.591	ng		99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	101787	44.072	ng	98
46) 1,1'-Biphenyl	9.333	154	417031	46.265	ng	100
47) 2-Chloronaphthalene	9.363	162	302285	44.688	ng	100
48) 2-Nitroaniline	9.457	65	87747	46.270	ng	99
49) Acenaphthylene	9.780	152	498082	44.729	ng	100
50) Dimethylphthalate	9.633	163	357699	48.428	ng	100
51) 2,6-Dinitrotoluene	9.704	165	76473	47.145	ng	94
52) Acenaphthene	9.951	154	326791m	48.100	ng	
53) 3-Nitroaniline	9.869	138	51118	28.623	ng	100
54) 2,4-Dinitrophenol	9.986	184	69192	85.190	ng	93
55) Dibenzofuran	10.122	168	434092	44.557	ng	99
56) 4-Nitrophenol	10.039	139	94243	77.081	ng	98
57) 2,4-Dinitrotoluene	10.110	165	95850	44.486	ng	97
58) Fluorene	10.463	166	338474	44.485	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	74824	40.193	ng	97
60) Diethylphthalate	10.333	149	347136	47.933	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	161194	44.397	ng	98
62) 4-Nitroaniline	10.486	138	66810	40.903	ng	98
63) Azobenzene	10.616	77	296548	45.815	ng	95
65) 4,6-Dinitro-2-methylph...	10.516	198	43230	45.788	ng	95
66) n-Nitrosodiphenylamine	10.575	169	279214	51.614	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	91204	51.341	ng	98
68) Hexachlorobenzene	11.016	284	92184	46.701	ng	99
69) Atrazine	11.098	200	82902	59.345	ng	98
70) Pentachlorophenol	11.210	266	88521	89.996	ng	100
71) Phenanthrene	11.427	178	487597	57.667	ng	99
72) Anthracene	11.480	178	404639	46.662	ng	100
73) Carbazole	11.633	167	354891	47.424	ng	100
74) Di-n-butylphthalate	11.963	149	446448	57.268	ng	100
75) Fluoranthene	12.621	202	646065	80.511	ng	99
77) Benzidine	12.745	184	264973	57.937	ng	99
78) Pyrene	12.851	202	619710	54.312	ng	100
80) Butylbenzylphthalate	13.463	149	162371	49.058	ng	97
81) Benzo(a)anthracene	14.045	228	478410	58.258	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	79753	29.942	ng	99
83) Chrysene	14.080	228	444298	60.633	ng	100
84) Bis(2-ethylhexyl)phtha...	14.021	149	227369	47.746	ng	99
85) Di-n-octyl phthalate	14.633	149	388886	43.308	ng	99
87) Indeno(1,2,3-cd)pyrene	17.056	276	255696	34.355	ng	98
88) Benzo(b)fluoranthene	15.110	252	407451	72.061	ng	100
89) Benzo(k)fluoranthene	15.139	252	330281	62.435	ng	99
90) Benzo(a)pyrene	15.480	252	308603	56.496	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	192523	31.835	ng	98
92) Benzo(g,h,i)perylene	17.515	276	196272	32.548	ng	99

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

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