Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011325\
Data File : BF141125.D
Acq On : 13 Jan 2025 13:52
Operator : RC/JU
Sample : P1187-02
Misc : LOQ-SOIL-5PPM
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

Quant Time: Jan 13 14:13:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.822	152	149724	20.000	ng		0.00
21) Naphthalene-d8	8.098	136	585776	20.000	ng		0.00
39) Acenaphthene-d10	9.857	164	318947	20.000	ng		0.00
64) Phenanthrene-d10	11.345	188	545149	20.000	ng		0.00
76) Chrysene-d12	13.986	240	364519	20.000	ng		0.00
86) Perylene-d12	15.445	264	300089	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.428	112	920021	94.925	ng		0.00
7) Phenol-d6	6.440	99	1168111	95.146	ng		0.00
23) Nitrobenzene-d5	7.381	82	779169	70.509	ng		0.00
42) 2,4,6-Tribromophenol	10.645	330	367183	101.036	ng		0.00
45) 2-Fluorobiphenyl	9.181	172	1440149	68.951	ng		0.00
79) Terphenyl-d14	12.933	244	1543652	62.942	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.546	88	21367	4.951	ng		98
3) Pyridine	3.316	79	47735	4.510	ng		97
4) n-Nitrosodimethylamine	3.216	42	24803	4.793	ng	#	97
6) Aniline	6.481	93	69731	6.397	ng		98
8) 2-Chlorophenol	6.604	128	53622	5.157	ng		98
9) Benzaldehyde	6.369	77	45185	6.249	ng		98
10) Phenol	6.457	94	68518	5.214	ng		88
11) bis(2-Chloroethyl)ether	6.551	93	51471	5.255	ng		98
12) 1,3-Dichlorobenzene	6.757	146	59144	5.100	ng		97
13) 1,4-Dichlorobenzene	6.840	146	60341	5.163	ng		99
14) 1,2-Dichlorobenzene	6.992	146	56575	5.190	ng		97
15) Benzyl Alcohol	6.951	79	56390	6.360	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.092	45	71004	5.195	ng		98
17) 2-Methylphenol	7.063	107	41862	4.986	ng		98
18) Hexachloroethane	7.334	117	20971	4.962	ng		97
19) n-Nitroso-di-n-propyla...	7.222	70	37310	5.159	ng		97
20) 3+4-Methylphenols	7.216	107	54603	5.155	ng	#	79
22) Acetophenone	7.222	105	78660	5.649	ng		99
24) Nitrobenzene	7.398	77	58937	5.117	ng		99
25) Isophorone	7.634	82	98744	5.229	ng		99
26) 2-Nitrophenol	7.716	139	24872	4.748	ng		99
27) 2,4-Dimethylphenol	7.745	122	28975	4.100	ng		98
28) bis(2-Chloroethoxy)met...	7.845	93	61530	5.192	ng		98
29) 2,4-Dichlorophenol	7.951	162	42404	5.052	ng		96
30) 1,2,4-Trichlorobenzene	8.039	180	49329	5.142	ng		99
31) Naphthalene	8.122	128	164047	5.310	ng		99
32) Benzoic acid	7.792	122	21918	3.233	ng		97
33) 4-Chloroaniline	8.169	127	60803	5.691	ng		98
34) Hexachlorobutadiene	8.239	225	28973	5.012	ng		97
35) Caprolactam	8.492	113	12837	4.672	ng		92
36) 4-Chloro-3-methylphenol	8.639	107	47529	5.178	ng		98
37) 2-Methylnaphthalene	8.816	142	105480	5.358	ng		98
38) 1-Methylnaphthalene	8.910	142	96121	4.955	ng		96
40) 1,2,4,5-Tetrachloroben...	8.981	216	49357	5.392	ng		99
41) Hexachlorocyclopentadiene	8.969	237	14077	4.700	ng		96
43) 2,4,6-Trichlorophenol	9.086	196	28589	4.630	ng		97

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	32123	4.926	ng		99
46) 1,1'-Biphenyl	9.281	154	139080	5.615	ng		99
47) 2-Chloronaphthalene	9.304	162	99911	5.179	ng		97
48) 2-Nitroaniline	9.392	65	27221	4.760	ng		96
49) Acenaphthylene	9.716	152	154825	5.617	ng		98
50) Dimethylphthalate	9.575	163	112844	5.270	ng		99
51) 2,6-Dinitrotoluene	9.633	165	23593	4.738	ng		94
52) Acenaphthene	9.886	154	100840	5.237	ng		99
53) 3-Nitroaniline	9.798	138	24789	4.899	ng		91
54) 2,4-Dinitrophenol	9.904	184	5549	2.345	ng	#	1
55) Dibenzofuran	10.063	168	142211	5.429	ng		99
56) 4-Nitrophenol	9.951	139	16467	4.155	ng		91
57) 2,4-Dinitrotoluene	10.033	165	30608	4.770	ng		96
58) Fluorene	10.404	166	112350	5.521	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.175	232	26550	4.899	ng		97
60) Diethylphthalate	10.275	149	108677	5.199	ng		100
61) 4-Chlorophenyl-phenyle...	10.398	204	53506	5.395	ng		100
62) 4-Nitroaniline	10.404	138	22949	4.634	ng		96
63) Azobenzene	10.557	77	106120	5.145	ng		99
65) 4,6-Dinitro-2-methylph...	10.439	198	10752	3.404	ng		92
66) n-Nitrosodiphenylamine	10.516	169	94264	5.361	ng		99
67) 4-Bromophenyl-phenylether	10.892	248	32423	5.166	ng		97
68) Hexachlorobenzene	10.951	284	37418	5.356	ng		98
69) Atrazine	11.039	200	30315	6.403	ng		97
70) Pentachlorophenol	11.145	266	18588	4.154	ng		99
71) Phenanthrene	11.369	178	164457	5.619	ng		98
72) Anthracene	11.416	178	157326	5.528	ng		99
73) Carbazole	11.569	167	139903	5.361	ng		98
74) Di-n-butylphthalate	11.910	149	161938	5.423	ng		99
75) Fluoranthene	12.557	202	158066	5.412	ng		98
77) Benzidine	12.680	184	42429	6.277	ng		97
78) Pyrene	12.780	202	168226	4.832	ng		98
80) Butylbenzylphthalate	13.410	149	51606	4.446	ng		97
81) Benzo(a)anthracene	13.974	228	127010	5.120	ng		97
82) 3,3'-Dichlorobenzidine	13.939	252	36035	4.562	ng		100
83) Chrysene	14.010	228	115003	4.954	ng		98
84) Bis(2-ethylhexyl)phtha...	13.974	149	65431	4.698	ng		100
85) Di-n-octyl phthalate	14.586	149	87965	4.182	ng		99
87) Indeno(1,2,3-cd)pyrene	16.886	276	102259	4.651	ng		98
88) Benzo(b)fluoranthene	15.015	252	101340	5.237	ng		99
89) Benzo(k)fluoranthene	15.045	252	87638	5.359	ng		99
90) Benzo(a)pyrene	15.380	252	84039	5.264	ng		99
91) Dibenzo(a,h)anthracene	16.909	278	81430	4.579	ng		98
92) Benzo(g,h,i)perylene	17.321	276	80186	4.335	ng		99

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

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