Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141308.D
Acq On : 30 Jan 2025 12:47
Operator : RC/JU
Sample : Q1168-01
Misc : LOD-MDL-SOIL 4PPM
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 30 13:08:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

01/30/2025
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01/31/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.798	152	146824	20.000	ng		0.00
21) Naphthalene-d8	8.081	136	598953	20.000	ng		0.00
39) Acenaphthene-d10	9.833	164	325831	20.000	ng		0.00
64) Phenanthrene-d10	11.322	188	553646	20.000	ng		0.00
76) Chrysene-d12	13.963	240	332090	20.000	ng		-0.01
86) Perylene-d12	15.427	264	314573	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.404	112	1024717	107.145	ng		0.00
7) Phenol-d6	6.428	99	1350349	110.990	ng		-0.01
23) Nitrobenzene-d5	7.363	82	912872	80.346	ng		0.00
42) 2,4,6-Tribromophenol	10.622	330	328849	110.089	ng		-0.01
45) 2-Fluorobiphenyl	9.157	172	1591039	75.159	ng		0.00
79) Terphenyl-d14	12.910	244	1605578	74.561	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.487	88	16910	4.020	ng		97
3) Pyridine	3.269	79	35933	3.546	ng		98
4) n-Nitrosodimethylamine	3.157	42	22726	3.926	ng	#	99
6) Aniline	6.457	93	53903	5.234	ng		95
8) 2-Chlorophenol	6.581	128	44102	4.302	ng		83
9) Benzaldehyde	6.345	77	37249	5.286	ng		98
10) Phenol	6.440	94	54103	4.195	ng	#	63
11) bis(2-Chloroethyl)ether	6.534	93	44304	4.480	ng		97
12) 1,3-Dichlorobenzene	6.740	146	47215	4.177	ng		98
13) 1,4-Dichlorobenzene	6.816	146	47507	4.184	ng		99
14) 1,2-Dichlorobenzene	6.969	146	45403	4.270	ng		99
15) Benzyl Alcohol	6.939	79	46868	5.637	ng		91
16) 2,2'-oxybis(1-Chloropr...	7.069	45	78194	4.547	ng		100
17) 2-Methylphenol	7.045	107	32650	3.919	ng		99
18) Hexachloroethane	7.310	117	16957	4.048	ng		97
19) n-Nitroso-di-n-propyla...	7.204	70	31341	4.335	ng		97
20) 3+4-Methylphenols	7.198	107	42162	4.122	ng	#	78
22) Acetophenone	7.204	105	65906	4.629	ng		97
24) Nitrobenzene	7.375	77	50329	4.274	ng		98
25) Isophorone	7.610	82	84413	4.298	ng		97
26) 2-Nitrophenol	7.692	139	21443	3.862	ng		99
27) 2,4-Dimethylphenol	7.734	122	17203m	2.434	ng		
28) bis(2-Chloroethoxy)met...	7.828	93	54113	4.319	ng		99
29) 2,4-Dichlorophenol	7.934	162	34688	4.009	ng		98
30) 1,2,4-Trichlorobenzene	8.022	180	41512	4.201	ng		96
31) Naphthalene	8.098	128	134289	4.244	ng		99
32) Benzoic acid	7.792	122	15122m	2.327	ng		
33) 4-Chloroaniline	8.151	127	48196	4.492	ng		98
34) Hexachlorobutadiene	8.222	225	23153	3.995	ng		99
35) Caprolactam	8.475	113	10864	3.844	ng		96
36) 4-Chloro-3-methylphenol	8.622	107	41538	4.475	ng		99
37) 2-Methylnaphthalene	8.792	142	89372	4.444	ng		97
38) 1-Methylnaphthalene	8.886	142	82697	4.186	ng		98
40) 1,2,4,5-Tetrachloroben...	8.957	216	40379	4.356	ng		99
41) Hexachlorocyclopentadiene	8.945	237	6648	2.428	ng		93
43) 2,4,6-Trichlorophenol	9.069	196	24027	3.960	ng		95

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	25935	3.927	ng		98
46) 1,1'-Biphenyl	9.257	154	118314	4.656	ng		98
47) 2-Chloronaphthalene	9.281	162	82383	4.159	ng		98
48) 2-Nitroaniline	9.375	65	23303	3.740	ng		99
49) Acenaphthylene	9.692	152	129126	4.657	ng		99
50) Dimethylphthalate	9.551	163	95120	4.322	ng		100
51) 2,6-Dinitrotoluene	9.616	165	19342	3.785	ng		96
52) Acenaphthene	9.863	154	86874	4.386	ng		99
53) 3-Nitroaniline	9.781	138	20955	4.184	ng		96
54) 2,4-Dinitrophenol	9.892	184	3704	1.559	ng	#	84
55) Dibenzofuran	10.039	168	117946	4.449	ng		98
56) 4-Nitrophenol	9.945	139	13346	3.644	ng		97
57) 2,4-Dinitrotoluene	10.016	165	27089	4.095	ng		96
58) Fluorene	10.380	166	92022	4.475	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	22046	4.244	ng		97
60) Diethylphthalate	10.257	149	91687	4.297	ng		99
61) 4-Chlorophenyl-phenyle...	10.375	204	44399	4.420	ng		99
62) 4-Nitroaniline	10.386	138	17390	3.532	ng		97
63) Azobenzene	10.533	77	91301	4.275	ng		99
65) 4,6-Dinitro-2-methylph...	10.422	198	9160	2.797	ng		95
66) n-Nitrosodiphenylamine	10.492	169	76493	4.272	ng		98
67) 4-Bromophenyl-phenylether	10.869	248	25051	4.042	ng		97
68) Hexachlorobenzene	10.927	284	27355	4.161	ng		98
69) Atrazine	11.016	200	24529	4.097	ng		96
70) Pentachlorophenol	11.127	266	14356	3.729	ng		97
71) Phenanthrene	11.345	178	138571	4.656	ng		99
72) Anthracene	11.392	178	130372	4.471	ng		99
73) Carbazole	11.551	167	111188	4.300	ng		99
74) Di-n-butylphthalate	11.886	149	141281	4.509	ng		98
75) Fluoranthene	12.533	202	130359	4.436	ng		98
77) Benzidine	12.663	184	22359	2.100	ng		98
78) Pyrene	12.763	202	146932	4.609	ng		99
80) Butylbenzylphthalate	13.386	149	43813	3.934	ng		98
81) Benzo(a)anthracene	13.951	228	94590	4.128	ng		100
82) 3,3'-Dichlorobenzidine	13.921	252	25741	3.532	ng		95
83) Chrysene	13.986	228	91066	4.336	ng		98
84) Bis(2-ethylhexyl)phtha...	13.951	149	58188	4.119	ng		99
85) Di-n-octyl phthalate	14.574	149	79579	3.627	ng		99
87) Indeno(1,2,3-cd)pyrene	16.862	276	77715	3.828	ng		99
88) Benzo(b)fluoranthene	15.004	252	79734	4.030	ng		99
89) Benzo(k)fluoranthene	15.027	252	77050	4.395	ng		98
90) Benzo(a)pyrene	15.362	252	70542	4.219	ng		99
91) Dibenzo(a,h)anthracene	16.886	278	57825	3.540	ng		96
92) Benzo(g,h,i)perylene	17.298	276	60803	3.580	ng		99

01/30/2025
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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