Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141322.D
Acq On : 31 Jan 2025 10:42
Operator : RC/JU
Sample : Q1168-03
Misc : MDL-MDL-SOIL 8PPM
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 31 11:11:24 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 :
MDL-SOIL-03-QT1-2025

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay

02/03/2025
Supervised By :mohammad ahmed

02/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	168791	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	681556	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	368687	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	635883	20.000	ng	0.00
76) Chrysene-d12	13.968	240	407540	20.000	ng	0.00
86) Perylene-d12	15.433	264	345574	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	1152947	104.864	ng	0.00
7) Phenol-d6	6.428	99	1582079	113.113	ng	-0.01
23) Nitrobenzene-d5	7.363	82	1074166	83.084	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	405378	119.934	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1840216	76.825	ng	0.00
79) Terphenyl-d14	12.915	244	1997497	75.588	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.481	88	38467	7.955	ng	99
3) Pyridine	3.251	79	88970	7.637	ng	97
4) n-Nitrosodimethylamine	3.146	42	54349	8.166	ng	99
6) Aniline	6.463	93	139314	11.767	ng	99
8) 2-Chlorophenol	6.581	128	102689	8.714	ng	85
9) Benzaldehyde	6.351	77	83822	10.346	ng	96
10) Phenol	6.445	94	130073	8.773	ng	85
11) bis(2-Chloroethyl)ether	6.539	93	102142	8.985	ng	96
12) 1,3-Dichlorobenzene	6.739	146	107540	8.276	ng	98
13) 1,4-Dichlorobenzene	6.816	146	109808	8.412	ng	98
14) 1,2-Dichlorobenzene	6.969	146	102611	8.395	ng	99
15) Benzyl Alcohol	6.934	79	99512	10.411	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.069	45	185330	9.375	ng	99
17) 2-Methylphenol	7.045	107	81858	8.547	ng	98
18) Hexachloroethane	7.310	117	39226	8.146	ng	98
19) n-Nitroso-di-n-propyla...	7.204	70	76880	9.250	ng	99
20) 3+4-Methylphenols	7.198	107	107883	9.174	ng	92
22) Acetophenone	7.204	105	156218	9.643	ng	99
24) Nitrobenzene	7.381	77	116330	8.683	ng	99
25) Isophorone	7.616	82	207146	9.269	ng	99
26) 2-Nitrophenol	7.692	139	53622	8.486	ng	99
27) 2,4-Dimethylphenol	7.728	122	49858m	6.199	ng	
28) bis(2-Chloroethoxy)met...	7.828	93	129405	9.078	ng	98
29) 2,4-Dichlorophenol	7.933	162	86909	8.827	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	95632	8.505	ng	98
31) Naphthalene	8.104	128	318828	8.855	ng	99
32) Benzoic acid	7.804	122	50904m	6.885	ng	
33) 4-Chloroaniline	8.151	127	122782	10.056	ng	98
34) Hexachlorobutadiene	8.222	225	54114	8.206	ng	99
35) Caprolactam	8.486	113	28272	8.792	ng	99
36) 4-Chloro-3-methylphenol	8.628	107	97649	9.246	ng	100
37) 2-Methylnaphthalene	8.792	142	212049	9.266	ng	98
38) 1-Methylnaphthalene	8.892	142	194998	8.675	ng	99
40) 1,2,4,5-Tetrachloroben...	8.957	216	99430	9.480	ng	98
41) Hexachlorocyclopentadiene	8.945	237	17850	5.762	ng	99
43) 2,4,6-Trichlorophenol	9.069	196	60008	8.741	ng	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	63762	8.533	ng	97
46) 1,1'-Biphenyl	9.257	154	276364	9.612	ng	99
47) 2-Chloronaphthalene	9.280	162	195909	8.741	ng	98
48) 2-Nitroaniline	9.375	65	61682	8.750	ng	98
49) Acenaphthylene	9.692	152	308621	9.837	ng	99
50) Dimethylphthalate	9.551	163	227848	9.150	ng	100
51) 2,6-Dinitrotoluene	9.616	165	49183	8.507	ng	98
52) Acenaphthene	9.869	154	202650	9.042	ng	100
53) 3-Nitroaniline	9.780	138	52768	9.312	ng	98
54) 2,4-Dinitrophenol	9.892	184	15875	5.907	ng	92
55) Dibenzofuran	10.039	168	278929	9.298	ng	99
56) 4-Nitrophenol	9.939	139	34403	8.301	ng	99
57) 2,4-Dinitrotoluene	10.016	165	67198	8.977	ng	98
58) Fluorene	10.380	166	219348	9.426	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.157	232	52856	8.992	ng	98
60) Diethylphthalate	10.257	149	224628	9.304	ng	99
61) 4-Chlorophenyl-phenyle...	10.374	204	106764	9.392	ng	99
62) 4-Nitroaniline	10.392	138	46519	8.350	ng	97
63) Azobenzene	10.539	77	221811	9.178	ng	99
65) 4,6-Dinitro-2-methylph...	10.427	198	29835	7.932	ng	99
66) n-Nitrosodiphenylamine	10.492	169	189434	9.211	ng	99
67) 4-Bromophenyl-phenylether	10.869	248	64920	9.119	ng	94
68) Hexachlorobenzene	10.927	284	67059	8.880	ng	98
69) Atrazine	11.022	200	62202	9.046	ng	96
70) Pentachlorophenol	11.127	266	37041	8.377	ng	97
71) Phenanthrene	11.345	178	332426	9.725	ng	99
72) Anthracene	11.398	178	316794	9.459	ng	99
73) Carbazole	11.551	167	279813	9.422	ng	99
74) Di-n-butylphthalate	11.886	149	355513	9.878	ng	100
75) Fluoranthene	12.533	202	336914	9.983	ng	100
77) Benzidine	12.663	184	51766	3.962	ng	99
78) Pyrene	12.763	202	355812	9.095	ng	99
80) Butylbenzylphthalate	13.386	149	129623	9.484	ng	98
81) Benzo(a)anthracene	13.957	228	254578	9.052	ng	100
82) 3,3'-Dichlorobenzidine	13.921	252	71504	7.994	ng	99
83) Chrysene	13.992	228	238221	9.243	ng	99
84) Bis(2-ethylhexyl)phtha...	13.951	149	175709	10.135	ng	98
85) Di-n-octyl phthalate	14.580	149	250442	9.301	ng	99
87) Indeno(1,2,3-cd)pyrene	16.874	276	194338	8.713	ng	99
88) Benzo(b)fluoranthene	15.009	252	201449	9.267	ng	100
89) Benzo(k)fluoranthene	15.039	252	198413	10.304	ng	99
90) Benzo(a)pyrene	15.368	252	176322	9.599	ng	99
91) Dibenzo(a,h)anthracene	16.892	278	150845	8.406	ng	98
92) Benzo(g,h,i)perylene	17.309	276	154792	8.296	ng	98

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

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