Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141310.D
Acq On : 30 Jan 2025 13:39
Operator : RC/JU
Sample : Q1168-01
Misc : LOD-MDL-SOIL 8PPM
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 30 14:01:12 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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.798	152	167746	20.000	ng		0.00
21) Naphthalene-d8	8.081	136	673995	20.000	ng		0.00
39) Acenaphthene-d10	9.833	164	371354	20.000	ng		0.00
64) Phenanthrene-d10	11.322	188	641043	20.000	ng		0.00
76) Chrysene-d12	13.969	240	386477	20.000	ng		0.00
86) Perylene-d12	15.427	264	358301	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.404	112	1140536	104.381	ng		0.00
7) Phenol-d6	6.428	99	1551118	111.591	ng		-0.01
23) Nitrobenzene-d5	7.363	82	1067152	83.467	ng		0.00
42) 2,4,6-Tribromophenol	10.628	330	410064	120.449	ng		0.00
45) 2-Fluorobiphenyl	9.157	172	1863827	77.252	ng		0.00
79) Terphenyl-d14	12.916	244	1910086	76.219	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.487	88	38606	8.034	ng		98
3) Pyridine	3.252	79	88457	7.640	ng		99
4) n-Nitrosodimethylamine	3.152	42	53838	8.140	ng		100
6) Aniline	6.463	93	132188	11.234	ng		99
8) 2-Chlorophenol	6.581	128	102152	8.722	ng		86
9) Benzaldehyde	6.345	77	83588	10.382	ng		99
10) Phenol	6.440	94	127261	8.637	ng	#	69
11) bis(2-Chloroethyl)ether	6.534	93	101433	8.978	ng		100
12) 1,3-Dichlorobenzene	6.740	146	106781	8.269	ng		98
13) 1,4-Dichlorobenzene	6.816	146	108422	8.358	ng		99
14) 1,2-Dichlorobenzene	6.969	146	100559	8.278	ng		99
15) Benzyl Alcohol	6.934	79	98143	10.332	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.069	45	183007	9.315	ng		100
17) 2-Methylphenol	7.045	107	80443	8.451	ng		99
18) Hexachloroethane	7.310	117	38566	8.059	ng		94
19) n-Nitroso-di-n-propyla...	7.204	70	76981	9.320	ng		98
20) 3+4-Methylphenols	7.198	107	106875	9.145	ng		94
22) Acetophenone	7.204	105	156269	9.754	ng		98
24) Nitrobenzene	7.381	77	113990	8.603	ng		99
25) Isophorone	7.616	82	207071	9.369	ng		99
26) 2-Nitrophenol	7.692	139	53828	8.614	ng		97
27) 2,4-Dimethylphenol	7.728	122	50714m	6.376	ng		
28) bis(2-Chloroethoxy)met...	7.828	93	128444	9.111	ng		99
29) 2,4-Dichlorophenol	7.934	162	86201	8.853	ng		99
30) 1,2,4-Trichlorobenzene	8.022	180	96688	8.695	ng		99
31) Naphthalene	8.104	128	319890	8.984	ng		99
32) Benzoic acid	7.804	122	46839	6.406	ng		98
33) 4-Chloroaniline	8.151	127	119508	9.898	ng		98
34) Hexachlorobutadiene	8.222	225	52966	8.122	ng		99
35) Caprolactam	8.486	113	28825	9.065	ng		96
36) 4-Chloro-3-methylphenol	8.628	107	96746	9.263	ng		100
37) 2-Methylnaphthalene	8.792	142	210020	9.281	ng		99
38) 1-Methylnaphthalene	8.892	142	193672	8.712	ng		99
40) 1,2,4,5-Tetrachloroben...	8.957	216	99014	9.372	ng		98
41) Hexachlorocyclopentadiene	8.945	237	19399	6.218	ng		96
43) 2,4,6-Trichlorophenol	9.069	196	59537	8.610	ng		99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	62928	8.361	ng	97
46) 1,1'-Biphenyl	9.257	154	277952	9.597	ng	99
47) 2-Chloronaphthalene	9.281	162	199524	8.839	ng	98
48) 2-Nitroaniline	9.375	65	62018	8.735	ng	98
49) Acenaphthylene	9.692	152	315758	9.993	ng	99
50) Dimethylphthalate	9.551	163	227751	9.081	ng	99
51) 2,6-Dinitrotoluene	9.616	165	49125	8.436	ng	97
52) Acenaphthene	9.869	154	202358	8.964	ng	99
53) 3-Nitroaniline	9.781	138	51191	8.969	ng	96
54) 2,4-Dinitrophenol	9.892	184	16302	6.022	ng	93
55) Dibenzofuran	10.039	168	285209	9.439	ng	98
56) 4-Nitrophenol	9.939	139	32463	7.777	ng	99
57) 2,4-Dinitrotoluene	10.016	165	67706	8.980	ng	98
58) Fluorene	10.381	166	220152	9.393	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.157	232	56195	9.491	ng	99
60) Diethylphthalate	10.257	149	224159	9.217	ng	99
61) 4-Chlorophenyl-phenyle...	10.375	204	106014	9.260	ng	100
62) 4-Nitroaniline	10.392	138	46563	8.298	ng	98
63) Azobenzene	10.539	77	226216	9.293	ng	98
65) 4,6-Dinitro-2-methylph...	10.428	198	30302	7.992	ng	99
66) n-Nitrosodiphenylamine	10.492	169	189543	9.142	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	64073	8.928	ng	96
68) Hexachlorobenzene	10.928	284	69764	9.164	ng	98
69) Atrazine	11.016	200	63114	9.104	ng	99
70) Pentachlorophenol	11.128	266	35463	7.955	ng	98
71) Phenanthrene	11.345	178	331268	9.613	ng	99
72) Anthracene	11.398	178	317974	9.418	ng	99
73) Carbazole	11.551	167	276219	9.226	ng	99
74) Di-n-butylphthalate	11.886	149	347454	9.576	ng	99
75) Fluoranthene	12.533	202	323845	9.518	ng	100
77) Benzidine	12.663	184	55048	4.443	ng	98
78) Pyrene	12.763	202	332587	8.965	ng	99
80) Butylbenzylphthalate	13.386	149	116452	8.985	ng	98
81) Benzo(a)anthracene	13.957	228	240608	9.022	ng	100
82) 3,3'-Dichlorobenzidine	13.921	252	70703	8.336	ng	99
83) Chrysene	13.992	228	218242	8.929	ng	99
84) Bis(2-ethylhexyl)phtha...	13.951	149	153903	9.361	ng	98
85) Di-n-octyl phthalate	14.574	149	215426	8.436	ng	99
87) Indeno(1,2,3-cd)pyrene	16.868	276	202485	8.756	ng	99
88) Benzo(b)fluoranthene	15.004	252	212722	9.438	ng	99
89) Benzo(k)fluoranthene	15.033	252	177528	8.892	ng	99
90) Benzo(a)pyrene	15.363	252	175941	9.238	ng	99
91) Dibenzo(a,h)anthracene	16.892	278	157474	8.464	ng	99
92) Benzo(g,h,i)perylene	17.304	276	159250	8.232	ng	98

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

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