Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071125\
Data File : BP025100.D
Acq On : 11 Jul 2025 11:50
Operator : CG/JU
Sample : Q2126-02
Misc : LOQ-SOIL-5 PPM
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 11 12:29:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 03 16:05:44 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.437	152	424819	20.000	ng	0.00
21) Naphthalene-d8	10.184	136	1718378	20.000	ng	0.00
39) Acenaphthene-d10	14.077	164	1140655	20.000	ng	-0.01
64) Phenanthrene-d10	16.895	188	2380212	20.000	ng	-0.01
76) Chrysene-d12	21.324	240	2671410	20.000	ng	-0.02
86) Perylene-d12	24.453	264	2913884	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.096	112	2750143	114.704	ng	0.00
7) Phenol-d6	6.625	99	3470238	110.912	ng	0.00
23) Nitrobenzene-d5	8.566	82	2204788	85.330	ng	0.00
42) 2,4,6-Tribromophenol	15.607	330	1870299	138.798	ng	-0.01
45) 2-Fluorobiphenyl	12.689	172	5977891	81.188	ng	0.00
79) Terphenyl-d14	19.665	244	10449207	85.966	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.125	88	41487	4.450	ng	99
3) Pyridine	3.496	79	106213	4.161	ng	96
6) Aniline	6.778	93	167318	5.724	ng	98
8) 2-Chlorophenol	7.007	128	119056	4.438	ng	97
10) Phenol	6.654	94	133871	4.211	ng	97
11) bis(2-Chloroethyl)ether	6.878	93	102678	4.197	ng	100
12) 1,3-Dichlorobenzene	7.331	146	131374	4.376	ng	98
13) 1,4-Dichlorobenzene	7.472	146	137079	4.510	ng	98
14) 1,2-Dichlorobenzene	7.778	146	131926	4.512	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.960	45	133607	4.200	ng	96
17) 2-Methylphenol	7.872	107	87651	4.280	ng	97
18) Hexachloroethane	8.495	117	44825	4.527	ng	97
19) n-Nitroso-di-n-propyla...	8.231	70	79293	4.273	ng	98
22) Acetophenone	8.237	105	177026	4.356	ng	98
24) Nitrobenzene	8.601	77	125571	4.771	ng	100
25) Isophorone	9.131	82	219881	4.554	ng	97
26) 2-Nitrophenol	9.301	139	49782	6.931	ng	95
27) 2,4-Dimethylphenol	9.378	122	104243	5.787	ng	97
28) bis(2-Chloroethoxy)met...	9.613	93	140310	4.279	ng	99
29) 2,4-Dichlorophenol	9.831	162	102827	4.117	ng	96
30) 1,2,4-Trichlorobenzene	10.048	180	122652	4.434	ng	99
31) Naphthalene	10.225	128	369827	4.180	ng	99
33) 4-Chloroaniline	10.336	127	157108	4.758	ng	99
34) Hexachlorobutadiene	10.531	225	72574	4.572	ng	98
36) 4-Chloro-3-methylphenol	11.472	107	101905	3.904	ng	99
37) 2-Methylnaphthalene	11.860	142	235888	3.778	ng	98
38) 1-Methylnaphthalene	12.078	142	253699	4.167	ng	100
40) 1,2,4,5-Tetrachloroben...	12.236	216	139768	4.264	ng	100
43) 2,4,6-Trichlorophenol	12.483	196	83596	4.211	ng	96
44) 2,4,5-Trichlorophenol	12.548	196	88698	3.943	ng	99
46) 1,1'-Biphenyl	12.901	154	356305	4.293	ng	100
47) 2-Chloronaphthalene	12.930	162	270932	4.343	ng	99
48) 2-Nitroaniline	13.136	65	56939	6.276	ng	96
49) Acenaphthylene	13.795	152	433189	4.537	ng	100
50) Dimethylphthalate	13.548	163	345254	4.324	ng	100
51) 2,6-Dinitrotoluene	13.648	165	61578	3.954	ng	97

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Acenaphthene	14.148	154	261245	4.246	ng		99
53) 3-Nitroaniline	13.983	138	68611	4.111	ng	#	92
55) Dibenzofuran	14.495	168	427354	4.208	ng		99
57) 2,4-Dinitrotoluene	14.448	165	80941	5.984	ng		99
58) Fluorene	15.154	166	337154	4.292	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.730	232	84595	4.153	ng		99
60) Diethylphthalate	14.954	149	342094	4.266	ng		99
61) 4-Chlorophenyl-phenyle...	15.160	204	169549	4.362	ng		99
62) 4-Nitroaniline	15.160	138	70669	4.038	ng		97
63) Azobenzene	15.460	77	278902	3.906	ng		98
66) n-Nitrosodiphenylamine	15.383	169	292947	4.301	ng		100
67) 4-Bromophenyl-phenylether	16.089	248	107867	4.426	ng		97
68) Hexachlorobenzene	16.183	284	133189	4.471	ng		99
69) Atrazine	16.371	200	104444	5.232	ng		99
71) Phenanthrene	16.936	178	564302	4.437	ng		98
72) Anthracene	17.030	178	549671	4.505	ng		99
73) Carbazole	17.313	167	516915	4.333	ng		98
74) Di-n-butylphthalate	17.948	149	559360	4.210	ng		100
75) Fluoranthene	19.036	202	638930	4.298	ng		99
78) Pyrene	19.413	202	677518	4.095	ng		99
80) Butylbenzylphthalate	20.412	149	240119	7.160	ng		99
81) Benzo(a)anthracene	21.307	228	704940	4.354	ng		99
83) Chrysene	21.365	228	668534	4.291	ng		98
84) Bis(2-ethylhexyl)phtha...	21.307	149	370261	4.264	ng		98
87) Indeno(1,2,3-cd)pyrene	27.965	276	795457m	4.285	ng		
88) Benzo(b)fluoranthene	23.465	252	673144	3.969	ng		99
89) Benzo(k)fluoranthene	23.536	252	682413	4.044	ng		99
90) Benzo(a)pyrene	24.300	252	637839	4.419	ng		100
91) Dibenzo(a,h)anthracene	28.053	278	656958	4.281	ng		98
92) Benzo(g,h,i)perylene	29.053	276	658715	4.156	ng		99

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

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