

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021825\
 Data File : BP024082.D
 Acq On : 18 Feb 2025 13:10
 Operator : RC/JU
 Sample : Q1168-02
 Misc : LOQ-SOIL 5PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025

Quant Time: Feb 18 13:43:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP021725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 18 02:25:07 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 02/20/2025
 Supervised By :Jagrut Upadhyay 02/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.758	152	343683	20.000	ng	0.00
21) Naphthalene-d8	10.540	136	1509170	20.000	ng	0.00
39) Acenaphthene-d10	14.387	164	924743	20.000	ng	0.00
64) Phenanthrene-d10	17.187	188	1668106	20.000	ng	0.00
76) Chrysene-d12	21.639	240	1421799	20.000	ng	0.00
86) Perylene-d12	25.021	264	1361716	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	3646046	165.535	ng	0.00
7) Phenol-d6	6.946	99	4860010	171.676	ng	0.00
23) Nitrobenzene-d5	8.905	82	2424900	89.640	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	1912724	168.863	ng	0.00
45) 2-Fluorobiphenyl	13.004	172	5865389	88.671	ng	0.00
79) Terphenyl-d14	19.910	244	6967240	96.964	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.317	88	54641	6.324	ng	98
3) Pyridine	3.717	79	125972	5.608	ng	98
4) n-Nitrosodimethylamine	3.617	42	49771	6.246	ng	# 92
6) Aniline	7.093	93	194109	7.487	ng	98
8) 2-Chlorophenol	7.334	128	150067	6.437	ng	98
9) Benzaldehyde	6.911	77	132813	10.276	ng	99
10) Phenol	6.969	94	184235m	6.472	ng	
11) bis(2-Chloroethyl)ether	7.187	93	143423m	6.397	ng	
12) 1,3-Dichlorobenzene	7.652	146	162885	6.360	ng	98
13) 1,4-Dichlorobenzene	7.793	146	167101	6.452	ng	98
14) 1,2-Dichlorobenzene	8.111	146	160941	6.475	ng	99
15) Benzyl Alcohol	7.999	79	106652	6.155	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.275	45	158992	7.305	ng	98
17) 2-Methylphenol	8.205	107	104634	6.032	ng	99
18) Hexachloroethane	8.834	117	59743	6.405	ng	99
19) n-Nitroso-di-n-propyla...	8.558	70	102438m	6.730	ng	
20) 3+4-Methylphenols	8.528	107	141432	5.993	ng	96
22) Acetophenone	8.575	105	234767	6.054	ng	# 98
24) Nitrobenzene	8.952	77	173049	6.500	ng	98
25) Isophorone	9.469	82	266875	6.033	ng	98
26) 2-Nitrophenol	9.658	139	59206	4.827	ng	98
27) 2,4-Dimethylphenol	9.722	122	98373	6.110	ng	99
28) bis(2-Chloroethoxy)met...	9.946	93	201548	6.289	ng	99
29) 2,4-Dichlorophenol	10.193	162	112178	5.105	ng	99
30) 1,2,4-Trichlorobenzene	10.405	180	149320	5.931	ng	100
31) Naphthalene	10.587	128	493921	6.087	ng	100
32) Benzoic acid	9.799	122	47788	9.876	ng	91
33) 4-Chloroaniline	10.699	127	181942	6.364	ng	99
34) Hexachlorobutadiene	10.875	225	87804	6.022	ng	98
35) Caprolactam	11.475	113	30030	9.160	ng	95
36) 4-Chloro-3-methylphenol	11.828	107	119758	5.302	ng	97
37) 2-Methylnaphthalene	12.199	142	334772	6.207	ng	99
38) 1-Methylnaphthalene	12.416	142	317754	6.056	ng	99
40) 1,2,4,5-Tetrachloroben...	12.563	216	168006	5.913	ng	100
41) Hexachlorocyclopentadiene	12.546	237	70083	6.629	ng	99
43) 2,4,6-Trichlorophenol	12.810	196	84569	4.881	ng	99

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44) 2,4,5-Trichlorophenol	12.887	196	95971	5.064	ng	99
46) 1,1'-Biphenyl	13.210	154	453374	6.309	ng	99
47) 2-Chloronaphthalene	13.251	162	333223	6.134	ng	99
48) 2-Nitroaniline	13.457	65	65807	5.128	ng	96
49) Acenaphthylene	14.104	152	488262	6.101	ng	100
50) Dimethylphthalate	13.840	163	383422	5.878	ng	100
51) 2,6-Dinitrotoluene	13.951	165	72265	5.439	ng	97
52) Acenaphthene	14.451	154	315921	6.130	ng	99
53) 3-Nitroaniline	14.287	138	71860	5.068	ng	# 93
54) 2,4-Dinitrophenol	14.498	184	22724	10.121	ng	95
55) Dibenzofuran	14.793	168	493343	5.892	ng	99
56) 4-Nitrophenol	14.622	139	48802	3.985	ng	96
57) 2,4-Dinitrotoluene	14.751	165	84349	4.887	ng	92
58) Fluorene	15.451	166	384463	5.880	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.028	232	84467	5.137	ng	99
60) Diethylphthalate	15.222	149	366946	5.667	ng	98
61) 4-Chlorophenyl-phenyle...	15.445	204	188159	5.846	ng	98
62) 4-Nitroaniline	15.469	138	68423	7.084	ng	96
63) Azobenzene	15.745	77	347056	5.720	ng	96
65) 4,6-Dinitro-2-methylph...	15.528	198	34781	8.849	ng	96
66) n-Nitrosodiphenylamine	15.669	169	307545	5.912	ng	98
67) 4-Bromophenyl-phenylether	16.357	248	106858	5.705	ng	99
68) Hexachlorobenzene	16.475	284	134316	6.094	ng	100
69) Atrazine	16.640	200	88160	6.604	ng	99
70) Pentachlorophenol	16.834	266	53653	3.748	ng	98
71) Phenanthrene	17.228	178	575219	6.116	ng	99
72) Anthracene	17.322	178	530213	5.883	ng	99
73) Carbazole	17.604	167	467064	5.439	ng	99
74) Di-n-butylphthalate	18.198	149	480448	4.795	ng	99
75) Fluoranthene	19.316	202	532028	5.002	ng	98
77) Benzidine	19.516	184	163862	9.458	ng	98
78) Pyrene	19.692	202	565252	6.259	ng	99
80) Butylbenzylphthalate	20.645	149	165305	4.777	ng	97
81) Benzo(a)anthracene	21.622	228	528185	5.924	ng	99
82) 3,3'-Dichlorobenzidine	21.539	252	139354	5.002	ng	98
83) Chrysene	21.686	228	522187	6.074	ng	99
84) Bis(2-ethylhexyl)phtha...	21.569	149	240064	4.574	ng	99
85) Di-n-octyl phthalate	22.851	149	313733	3.740	ng	97
87) Indeno(1,2,3-cd)pyrene	28.851	276	558902m	5.769	ng	
88) Benzo(b)fluoranthene	23.945	252	467175	5.403	ng	98
89) Benzo(k)fluoranthene	24.016	252	488192	5.800	ng	99
90) Benzo(a)pyrene	24.857	252	416356	5.674	ng	98
91) Dibenzo(a,h)anthracene	28.933	278	460634	5.655	ng	100
92) Benzo(g,h,i)perylene	30.027	276	437278	5.290	ng	99

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

