

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092024\
 Data File : BP021965.D
 Acq On : 20 Sep 2024 13:11
 Operator : RC/JU
 Sample : P2403-02
 Misc : LOQ--SOIL 10 ppm
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT2-2024

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
 Supervised By :mohammad ahmed 09/24/2024

Quant Time: Sep 20 13:41:10 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 20 01:22:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	73108	20.000	ng	0.00
21) Naphthalene-d8	10.469	136	271811	20.000	ng	0.00
39) Acenaphthene-d10	14.328	164	201786	20.000	ng	0.00
64) Phenanthrene-d10	17.122	188	506738	20.000	ng	-0.02
76) Chrysene-d12	21.551	240	625794	20.000	ng	-0.01
86) Perylene-d12	24.845	264	761910	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	482409	124.005	ng	0.00
7) Phenol-d6	6.893	99	596950	118.203	ng	0.00
23) Nitrobenzene-d5	8.852	82	453428	88.269	ng	0.00
42) 2,4,6-Tribromophenol	15.834	330	510813	136.549	ng	-0.02
45) 2-Fluorobiphenyl	12.940	172	1214808	87.882	ng	0.00
79) Terphenyl-d14	19.851	244	2750440	82.562	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.264	88	18423	11.405	ng	100
3) Pyridine	3.664	79	39791	9.236	ng	98
4) n-Nitrosodimethylamine	3.570	42	23767	10.458	ng	# 94
6) Aniline	7.046	93	55232	12.446	ng	99
8) 2-Chlorophenol	7.287	128	42153	10.133	ng	96
9) Benzaldehyde	6.863	77	39735m	15.047	ng	
10) Phenol	6.916	94	51049	10.177	ng	93
11) bis(2-Chloroethyl)ether	7.146	93	40282	10.661	ng	99
12) 1,3-Dichlorobenzene	7.605	146	54860	10.446	ng	98
13) 1,4-Dichlorobenzene	7.746	146	55116	10.348	ng	97
14) 1,2-Dichlorobenzene	8.058	146	52569	10.284	ng	100
15) Benzyl Alcohol	7.946	79	39629	10.232	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.222	45	44928	11.149	ng	99
17) 2-Methylphenol	8.146	107	34055	10.050	ng	97
18) Hexachloroethane	8.775	117	19478	9.946	ng	96
19) n-Nitroso-di-n-propyla...	8.499	70	32466	10.343	ng	98
20) 3+4-Methylphenols	8.469	107	45957	9.607	ng	98
22) Acetophenone	8.516	105	71139	10.729	ng	# 95
24) Nitrobenzene	8.893	77	55335	10.607	ng	99
25) Isophorone	9.416	82	87678	10.353	ng	99
26) 2-Nitrophenol	9.599	139	21902	9.602	ng	# 90
27) 2,4-Dimethylphenol	9.657	122	27083	10.254	ng	96
28) bis(2-Chloroethoxy)met...	9.887	93	53163	10.469	ng	97
29) 2,4-Dichlorophenol	10.128	162	44414	9.907	ng	95
30) 1,2,4-Trichlorobenzene	10.340	180	56834	10.178	ng	96
31) Naphthalene	10.522	128	138587	10.218	ng	99
32) Benzoic acid	9.740	122	25142m	8.143	ng	
33) 4-Chloroaniline	10.634	127	53279	10.891	ng	97
34) Hexachlorobutadiene	10.810	225	43705	10.005	ng	97
35) Caprolactam	11.399	113	12239	9.174	ng	95
36) 4-Chloro-3-methylphenol	11.751	107	46078	9.581	ng	99
37) 2-Methylnaphthalene	12.134	142	100161	10.094	ng	98
38) 1-Methylnaphthalene	12.351	142	94031	9.598	ng	97
40) 1,2,4,5-Tetrachloroben...	12.504	216	73730	10.444	ng	98
41) Hexachlorocyclopentadiene	12.487	237	32279	12.306	ng	93
43) 2,4,6-Trichlorophenol	12.746	196	42820	9.882	ng	95

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44) 2,4,5-Trichlorophenol	12.822	196	45239	9.307	ng	97
46) 1,1'-Biphenyl	13.157	154	146806	10.670	ng	100
47) 2-Chloronaphthalene	13.193	162	113868	10.235	ng	98
48) 2-Nitroaniline	13.393	65	28681	9.441	ng	96
49) Acenaphthylene	14.040	152	174152	11.094	ng	98
50) Dimethylphthalate	13.781	163	153009	10.455	ng	99
51) 2,6-Dinitrotoluene	13.898	165	29396	9.014	ng	92
52) Acenaphthene	14.387	154	104760	10.254	ng	98
53) 3-Nitroaniline	14.228	138	28371	9.762	ng	# 92
54) 2,4-Dinitrophenol	14.434	184	16311	8.536	ng	96
55) Dibenzofuran	14.728	168	186317	10.850	ng	99
56) 4-Nitrophenol	14.551	139	23716	9.375	ng	98
57) 2,4-Dinitrotoluene	14.692	165	44024	9.549	ng	94
58) Fluorene	15.387	166	150243	10.476	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.963	232	49061	10.458	ng	98
60) Diethylphthalate	15.157	149	154725	10.404	ng	99
61) 4-Chlorophenyl-phenyle...	15.387	204	88752	10.630	ng	98
62) 4-Nitroaniline	15.404	138	29934	9.366	ng	99
63) Azobenzene	15.687	77	135994	11.050	ng	96
65) 4,6-Dinitro-2-methylph...	15.463	198	26516	9.028	ng	91
66) n-Nitrosodiphenylamine	15.610	169	132271	10.483	ng	99
67) 4-Bromophenyl-phenylether	16.304	248	60062	10.168	ng	99
68) Hexachlorobenzene	16.416	284	75887	10.304	ng	97
69) Atrazine	16.587	200	57376	12.692	ng	99
70) Pentachlorophenol	16.763	266	44357	8.952	ng	97
71) Phenanthrene	17.163	178	256398	10.540	ng	99
72) Anthracene	17.257	178	253454	10.764	ng	99
73) Carbazole	17.534	167	234652	10.318	ng	99
74) Di-n-butylphthalate	18.128	149	267565	10.017	ng	98
75) Fluoranthene	19.251	202	346062	10.192	ng	99
77) Benzidine	19.451	184	162082	21.194	ng	98
78) Pyrene	19.628	202	361240	9.542	ng	99
80) Butylbenzylphthalate	20.580	149	126613	9.377	ng	96
81) Benzo(a)anthracene	21.533	228	429715	10.686	ng	99
82) 3,3'-Dichlorobenzidine	21.457	252	149528	10.249	ng	99
83) Chrysene	21.598	228	401898	10.615	ng	98
84) Bis(2-ethylhexyl)phtha...	21.474	149	191558	9.666	ng	98
85) Di-n-octyl phthalate	22.739	149	314098	9.332	ng	100
87) Indeno(1,2,3-cd)pyrene	28.568	276	535721	10.572	ng	100
88) Benzo(b)fluoranthene	23.804	252	442256m	9.815	ng	
89) Benzo(k)fluoranthene	23.874	252	443767	10.407	ng	98
90) Benzo(a)pyrene	24.686	252	408906	10.534	ng	100
91) Dibenzo(a,h)anthracene	28.633	278	436928	10.447	ng	98
92) Benzo(g,h,i)perylene	29.733	276	415496	9.699	ng	99

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

