

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111822\
 Data File : BP012671.D
 Acq On : 18 Nov 2022 13:33
 Operator : CG/JU
 Sample : N4955-02
 Misc : LOQ-SOIL-5ppm
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 11/21/2022
 Supervised By :Jagrut Upadhyay 11/21/2022

Quant Time: Nov 21 03:36:31 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 21 03:25:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.046	152	237598	20.000	ng	0.00
21) Naphthalene-d8	10.863	136	1015475	20.000	ng	0.00
39) Acenaphthene-d10	14.681	164	686111	20.000	ng	0.00
64) Phenanthrene-d10	17.433	188	1523787	20.000	ng	0.00
76) Chrysene-d12	21.516	240	1574760	20.000	ng	0.00
86) Perylene-d12	24.045	264	1547321	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	1295669	98.553	ng	0.00
7) Phenol-d6	7.187	99	1807305	98.707	ng	0.00
23) Nitrobenzene-d5	9.210	82	1386987	85.877	ng	0.00
42) 2,4,6-Tribromophenol	16.169	330	823075	104.826	ng	0.00
45) 2-Fluorobiphenyl	13.310	172	3785942	83.027	ng	0.00
79) Terphenyl-d14	19.980	244	6245988	85.697	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.446	88	36494	6.912	ng	96
3) Pyridine	3.858	79	97402	5.844	ng	96
4) n-Nitrosodimethylamine	3.764	42	45531	6.397	ng	# 75
6) Aniline	7.363	93	160270	6.948	ng	99
8) 2-Chlorophenol	7.599	128	115064	7.088	ng	97
9) Benzaldehyde	7.175	77	106096	9.936	ng	94
10) Phenol	7.210	94	141026	6.837	ng	95
11) bis(2-Chloroethyl)ether	7.458	93	119748	7.288	ng	97
12) 1,3-Dichlorobenzene	7.934	146	136552	7.579	ng	98
13) 1,4-Dichlorobenzene	8.081	146	140241	7.634	ng	99
14) 1,2-Dichlorobenzene	8.399	146	135357	7.678	ng	97
15) Benzyl Alcohol	8.275	79	81414	5.968	ng	92
16) 2,2'-oxybis(1-Chloropr...	8.581	45	174907	7.544	ng	99
17) 2-Methylphenol	8.475	107	91628	6.406	ng	96
18) Hexachloroethane	9.140	117	48487	7.898	ng	96
19) n-Nitroso-di-n-propyla...	8.852	70	79367	6.377	ng	96
20) 3+4-Methylphenols	8.805	107	121727	6.075	ng	98
22) Acetophenone	8.869	105	199078	7.854	ng	# 98
24) Nitrobenzene	9.252	77	135518	7.770	ng	100
25) Isophorone	9.775	82	264184	7.272	ng	99
26) 2-Nitrophenol	9.969	139	40303	5.329	ng	98
27) 2,4-Dimethylphenol	10.022	122	102080	7.153	ng	99
28) bis(2-Chloroethoxy)met...	10.263	93	166302	8.048	ng	99
29) 2,4-Dichlorophenol	10.499	162	106742	6.435	ng	99
30) 1,2,4-Trichlorobenzene	10.722	180	131850	7.405	ng	99
31) Naphthalene	10.916	128	410027	7.345	ng	99
32) Benzoic acid	10.063	122	30798m	2.756	ng	
33) 4-Chloroaniline	11.016	127	152127	6.541	ng	98
34) Hexachlorobutadiene	11.204	225	80818	7.683	ng	97
35) Caprolactam	11.763	113	28233	5.227	ng	96
36) 4-Chloro-3-methylphenol	12.122	107	111933	6.286	ng	99
37) 2-Methylnaphthalene	12.516	142	292603	7.329	ng	98
38) 1-Methylnaphthalene	12.734	142	278926	7.110	ng	99
40) 1,2,4,5-Tetrachloroben...	12.875	216	157130	7.852	ng	99
41) Hexachlorocyclopentadiene	12.863	237	63721	8.372	ng	97
43) 2,4,6-Trichlorophenol	13.110	196	87285	6.127	ng	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.175	196	100340	6.366	ng	99
46) 1,1'-Biphenyl	13.516	154	408340	7.959	ng	99
47) 2-Chloronaphthalene	13.557	162	307192	7.540	ng	99
48) 2-Nitroaniline	13.751	65	37718	4.626	ng	96
49) Acenaphthylene	14.398	152	479594	7.213	ng	100
50) Dimethylphthalate	14.134	163	367947	6.808	ng	100
51) 2,6-Dinitrotoluene	14.245	165	52938	5.586	ng	89
52) Acenaphthene	14.740	154	301130	7.096	ng	98
53) 3-Nitroaniline	14.569	138	51993	4.791	ng	96
54) 2,4-Dinitrophenol	14.775	184	17704	3.364	ng	91
55) Dibenzofuran	15.075	168	486541	7.595	ng	98
56) 4-Nitrophenol	14.863	139	48870	4.811	ng	94
57) 2,4-Dinitrotoluene	15.028	165	61987	4.917	ng	92
58) Fluorene	15.728	166	389800	7.731	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.292	232	88422	6.231	ng	99
60) Diethylphthalate	15.498	149	342784	6.448	ng	99
61) 4-Chlorophenyl-phenyle...	15.722	204	191608	7.906	ng	96
62) 4-Nitroaniline	15.734	138	47339	4.459	ng	91
63) Azobenzene	16.016	77	356259	7.335	ng	98
65) 4,6-Dinitro-2-methylph...	15.792	198	26280	3.512	ng	97
66) n-Nitrosodiphenylamine	15.934	169	308535	6.794	ng	98
67) 4-Bromophenyl-phenylether	16.622	248	106437	6.680	ng	95
68) Hexachlorobenzene	16.734	284	137528	7.443	ng	99
69) Atrazine	16.886	200	76515	6.395	ng	97
70) Pentachlorophenol	17.075	266	69811	5.821	ng	98
71) Phenanthrene	17.475	178	636762	7.367	ng	99
72) Anthracene	17.569	178	621250	7.450	ng	98
73) Carbazole	17.828	167	568747	7.181	ng	99
74) Di-n-butylphthalate	18.386	149	430377	5.212	ng	# 98
75) Fluoranthene	19.433	202	723607	7.067	ng	99
77) Benzidine	19.604	184	106414	4.916	ng	98
78) Pyrene	19.780	202	748170	6.723	ng	99
80) Butylbenzylphthalate	20.657	149	74357	3.702	ng	100
81) Benzo(a)anthracene	21.498	228	752467	6.816	ng	99
82) 3,3'-Dichlorobenzidine	21.427	252	104841	3.773	ng	99
83) Chrysene	21.557	228	734347	7.015	ng	97
84) Bis(2-ethylhexyl)phtha...	21.427	149	132027m	3.627	ng	
85) Di-n-octyl phthalate	22.404	149	217142	2.820	ng	# 88
87) Indeno(1,2,3-cd)pyrene	26.698	276	704338	6.253	ng	99
88) Benzo(b)fluoranthene	23.268	252	685336	6.690	ng	99
89) Benzo(k)fluoranthene	23.321	252	758805	7.455	ng	99
90) Benzo(a)pyrene	23.927	252	579163	6.813	ng	98
91) Dibenzo(a,h)anthracene	26.727	278	629841	6.762	ng	99
92) Benzo(g,h,i)perylene	27.515	276	596328	6.591	ng	98

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

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