

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020624\
 Data File : BM043985.D
 Acq On : 06 Feb 2024 10:45
 Operator : MA/JU
 Sample : 03572-02
 Misc : LOQ-SOIL-5PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2023

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2024
 Supervised By :mohammad ahmed 02/08/2024

Quant Time: Feb 07 03:04:00 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 06 07:03:31 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	291739	20.000	ng	0.00
21) Naphthalene-d8	10.728	136	1291030	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	803591	20.000	ng	0.00
64) Phenanthrene-d10	17.315	188	1759174	20.000	ng	0.00
76) Chrysene-d12	21.515	240	1772110	20.000	ng	0.00
86) Perylene-d12	23.921	264	2063649	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	2208017	111.766	ng	0.00
7) Phenol-d6	7.087	99	2958965	101.372	ng	0.00
23) Nitrobenzene-d5	9.092	82	2443754	91.246	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	1057775	107.984	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	5401332	92.358	ng	0.00
79) Terphenyl-d14	19.956	244	9102832	99.160	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.399	88	44479	5.826	ng	97
3) Pyridine	3.799	79	102631	4.417	ng	# 94
4) n-Nitrosodimethylamine	3.722	42	48873	4.893	ng	# 95
6) Aniline	7.251	93	155935	5.369	ng	100
8) 2-Chlorophenol	7.481	128	97238	4.433	ng	98
9) Benzaldehyde	7.069	77	105627	3.490	ng	98
10) Phenol	7.110	94	139437	4.804	ng	94
11) bis(2-Chloroethyl)ether	7.357	93	112053	4.926	ng	99
12) 1,3-Dichlorobenzene	7.804	146	116012	4.899	ng	99
13) 1,4-Dichlorobenzene	7.957	146	118636	4.954	ng	97
14) 1,2-Dichlorobenzene	8.269	146	115601	4.894	ng	96
15) Benzyl Alcohol	8.169	79	93197	4.658	ng	93
16) 2,2'-oxybis(1-Chloropr...	8.457	45	156775m	5.140	ng	
17) 2-Methylphenol	8.369	107	81570	4.397	ng	99
18) Hexachloroethane	8.992	117	42583	4.738	ng	97
19) n-Nitroso-di-n-propyla...	8.734	70	89705	4.670	ng	98
20) 3+4-Methylphenols	8.692	107	112759	4.306	ng	98
22) Acetophenone	8.751	105	179785	5.139	ng	97
24) Nitrobenzene	9.134	77	138310	5.147	ng	98
25) Isophorone	9.657	82	229910	4.611	ng	99
26) 2-Nitrophenol	9.839	139	43952	4.047	ng	96
27) 2,4-Dimethylphenol	9.904	122	77169	5.175	ng	98
28) bis(2-Chloroethoxy)met...	10.151	93	154721	5.082	ng	99
29) 2,4-Dichlorophenol	10.369	162	83937	4.413	ng	97
30) 1,2,4-Trichlorobenzene	10.586	180	105896	4.929	ng	99
31) Naphthalene	10.775	128	356061	4.948	ng	99
32) Benzoic acid	9.963	122	38039	8.680	ng	# 85
33) 4-Chloroaniline	10.892	127	147030	4.971	ng	98
34) Hexachlorobutadiene	11.051	225	58253	4.972	ng	94
35) Caprolactam	11.663	113	29324m	3.760	ng	
36) 4-Chloro-3-methylphenol	12.016	107	97256	4.176	ng	97
37) 2-Methylnaphthalene	12.386	142	237026	4.723	ng	99
38) 1-Methylnaphthalene	12.604	142	234685	4.685	ng	98
40) 1,2,4,5-Tetrachloroben...	12.751	216	118386	5.194	ng	99
41) Hexachlorocyclopentadiene	12.722	237	46277	6.174	ng	97
43) 2,4,6-Trichlorophenol	12.998	196	63208	4.104	ng	95

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44) 2,4,5-Trichlorophenol	13.063	196	72696	4.137	ng	96
46) 1,1'-Biphenyl	13.404	154	323935	5.126	ng	100
47) 2-Chloronaphthalene	13.439	162	247335	4.908	ng	99
48) 2-Nitroaniline	13.651	65	67760	4.134	ng	95
49) Acenaphthylene	14.286	152	396591	5.148	ng	99
50) Dimethylphthalate	14.033	163	304768	4.883	ng	99
51) 2,6-Dinitrotoluene	14.151	165	58265	4.247	ng	93
52) Acenaphthene	14.627	154	235826	4.829	ng	99
53) 3-Nitroaniline	14.480	138	67182	4.218	ng	97
54) 2,4-Dinitrophenol	14.680	184	18228	9.363	ng	96
55) Dibenzofuran	14.963	168	388621	5.113	ng	98
56) 4-Nitrophenol	14.780	139	53230	3.824	ng	97
57) 2,4-Dinitrotoluene	14.933	165	71470	3.742	ng	94
58) Fluorene	15.616	166	310646	4.840	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.186	232	65638	4.333	ng	98
60) Diethylphthalate	15.398	149	303920	4.703	ng	98
61) 4-Chlorophenyl-phenyle...	15.616	204	147993	4.942	ng	98
62) 4-Nitroaniline	15.639	138	66875	3.840	ng	96
63) Azobenzene	15.910	77	304149	4.713	ng	99
65) 4,6-Dinitro-2-methylph...	15.692	198	28805	8.508	ng	91
66) n-Nitrosodiphenylamine	15.833	169	255273	4.871	ng	99
67) 4-Bromophenyl-phenylether	16.510	248	84384	4.869	ng	97
68) Hexachlorobenzene	16.610	284	102124	4.942	ng	97
69) Atrazine	16.786	200	81120	5.596	ng	96
70) Pentachlorophenol	16.957	266	45987	3.389	ng	96
71) Phenanthrene	17.357	178	504027	5.144	ng	99
72) Anthracene	17.451	178	474999	4.952	ng	100
73) Carbazole	17.727	167	458693	4.617	ng	99
74) Di-n-butylphthalate	18.304	149	467700	4.293	ng	99
75) Fluoranthene	19.380	202	553811	4.570	ng	99
77) Benzidine	19.574	184	202818	9.021	ng	99
78) Pyrene	19.739	202	593249	4.870	ng	99
80) Butylbenzylphthalate	20.662	149	196034	4.064	ng	96
81) Benzo(a)anthracene	21.498	228	625135	5.028	ng	99
82) 3,3'-Dichlorobenzidine	21.439	252	190390	4.789	ng	99
83) Chrysene	21.550	228	590006	4.953	ng	97
84) Bis(2-ethylhexyl)phtha...	21.450	149	299801	4.179	ng	100
85) Di-n-octyl phthalate	22.392	149	485971	3.933	ng	99
87) Indeno(1,2,3-cd)pyrene	26.421	276	688401	4.458	ng	99
88) Benzo(b)fluoranthene	23.192	252	622770	4.798	ng	98
89) Benzo(k)fluoranthene	23.239	252	587239	4.715	ng	100
90) Benzo(a)pyrene	23.815	252	522566	4.554	ng	99
91) Dibenzo(a,h)anthracene	26.450	278	574695	4.513	ng	98
92) Benzo(g,h,i)perylene	27.185	276	559425	4.307	ng	99

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

