

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052623\
 Data File : BP015303.D
 Acq On : 26 May 2023 11:12
 Operator : CG/JU
 Sample : 02213-03
 Misc : MDL-MDL-SOIL 8ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT2-2023

Quant Time: May 26 11:49:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 01:41:43 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian
 Giraldo

05/30/2023
 Supervised By :Jagrut
 Upadhyay

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.110	152	233793	20.000	ng	0.00
21) Naphthalene-d8	10.934	136	960131	20.000	ng	0.00
39) Acenaphthene-d10	14.751	164	623019	20.000	ng	0.00
64) Phenanthrene-d10	17.504	188	1321295	20.000	ng	0.00
76) Chrysene-d12	21.580	240	1031455	20.000	ng	0.00
86) Perylene-d12	24.133	264	978835	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.634	112	1364238	96.693	ng	0.00
7) Phenol-d6	7.263	99	1835508	99.270	ng	0.00
23) Nitrobenzene-d5	9.287	82	1373911	69.868	ng	0.00
42) 2,4,6-Tribromophenol	16.239	330	826127	97.577	ng	0.00
45) 2-Fluorobiphenyl	13.375	172	3061140	65.965	ng	0.00
79) Terphenyl-d14	20.039	244	3951572	72.061	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.452	88	43354	6.938	ng	94
3) Pyridine	3.881	79	95883	6.004	ng	94
4) n-Nitrosodimethylamine	3.787	42	51842	6.955	ng	# 98
6) Aniline	7.428	93	173212	7.412	ng	100
8) 2-Chlorophenol	7.663	128	108845	7.382	ng	96
9) Benzaldehyde	7.240	77	104978	7.181	ng	99
10) Phenol	7.287	94	133843	7.228	ng	98
11) bis(2-Chloroethyl)ether	7.522	93	118101	7.609	ng	97
12) 1,3-Dichlorobenzene	7.993	146	122582	7.472	ng	97
13) 1,4-Dichlorobenzene	8.146	146	124597	7.545	ng	99
14) 1,2-Dichlorobenzene	8.463	146	117983	7.488	ng	98
15) Benzyl Alcohol	8.352	79	91857	7.118	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.646	45	163060m	8.147	ng	
17) 2-Methylphenol	8.552	107	90725	6.885	ng	99
18) Hexachloroethane	9.199	117	46376	7.451	ng	96
19) n-Nitroso-di-n-propyla...	8.922	70	94384	7.976	ng	98
20) 3+4-Methylphenols	8.881	107	123982	6.964	ng	97
22) Acetophenone	8.940	105	188786	7.570	ng	# 99
24) Nitrobenzene	9.328	77	141481	7.226	ng	98
25) Isophorone	9.851	82	249616	7.074	ng	97
26) 2-Nitrophenol	10.046	139	56431	6.566	ng	98
27) 2,4-Dimethylphenol	10.099	122	103514	7.184	ng	99
28) bis(2-Chloroethoxy)met...	10.334	93	161059	7.405	ng	98
29) 2,4-Dichlorophenol	10.581	162	101789	6.813	ng	97
30) 1,2,4-Trichlorobenzene	10.798	180	119677	7.182	ng	97
31) Naphthalene	10.987	128	364965	7.218	ng	99
32) Benzoic acid	10.181	122	38089m	9.239	ng	
33) 4-Chloroaniline	11.098	127	141622	6.774	ng	100
34) Hexachlorobutadiene	11.269	225	73213	6.934	ng	98
35) Caprolactam	11.869	113	29173	6.361	ng	# 86
36) 4-Chloro-3-methylphenol	12.210	107	114894	7.073	ng	99
37) 2-Methylnaphthalene	12.587	142	259271	7.214	ng	98
38) 1-Methylnaphthalene	12.804	142	244127	7.281	ng	100
40) 1,2,4,5-Tetrachloroben...	12.951	216	140732	6.884	ng	99
41) Hexachlorocyclopentadiene	12.922	237	69875	6.453	ng	98
43) 2,4,6-Trichlorophenol	13.187	196	85593	6.450	ng	98

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44) 2,4,5-Trichlorophenol	13.257	196	93180	5.973	ng	98
46) 1,1'-Biphenyl	13.587	154	351432	7.119	ng	100
47) 2-Chloronaphthalene	13.628	162	263247	7.069	ng	98
48) 2-Nitroaniline	13.834	65	69658	6.124	ng	93
49) Acenaphthylene	14.475	152	409182	6.867	ng	99
50) Dimethylphthalate	14.198	163	339852	6.973	ng	98
51) 2,6-Dinitrotoluene	14.322	165	68226	6.630	ng	98
52) Acenaphthene	14.810	154	249149	7.021	ng	98
53) 3-Nitroaniline	14.657	138	65059	6.186	ng	94
54) 2,4-Dinitrophenol	14.869	184	27335	8.879	ng	94
55) Dibenzofuran	15.145	168	412780	7.110	ng	99
56) 4-Nitrophenol	14.957	139	46778	8.274	ng	96
57) 2,4-Dinitrotoluene	15.110	165	88177	6.517	ng	94
58) Fluorene	15.798	166	326173	7.275	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.369	232	81745	6.552	ng	97
60) Diethylphthalate	15.557	149	335812	6.916	ng	99
61) 4-Chlorophenyl-phenyle...	15.786	204	167185	7.282	ng	96
62) 4-Nitroaniline	15.816	138	60297m	7.381	ng	
63) Azobenzene	16.081	77	329868	7.121	ng	99
65) 4,6-Dinitro-2-methylph...	15.875	198	45309	5.646	ng	94
66) n-Nitrosodiphenylamine	15.998	169	281449	7.148	ng	99
67) 4-Bromophenyl-phenylether	16.686	248	98984	6.928	ng	93
68) Hexachlorobenzene	16.804	284	114057	7.249	ng	98
69) Atrazine	16.951	200	96180	7.650	ng	98
70) Pentachlorophenol	17.151	266	57583	5.341	ng	99
71) Phenanthrene	17.545	178	499751	7.097	ng	100
72) Anthracene	17.639	178	495505	7.026	ng	99
73) Carbazole	17.904	167	431774	6.914	ng	99
74) Di-n-butylphthalate	18.433	149	515367	6.426	ng	100
75) Fluoranthene	19.498	202	541812	6.586	ng	99
77) Benzidine	19.674	184	201805	12.355	ng	100
78) Pyrene	19.851	202	568874	7.708	ng	99
80) Butylbenzylphthalate	20.704	149	187601	5.998	ng	97
81) Benzo(a)anthracene	21.563	228	484840	6.765	ng	98
82) 3,3'-Dichlorobenzidine	21.492	252	168666	7.620	ng	99
83) Chrysene	21.621	228	465437	6.773	ng	99
84) Bis(2-ethylhexyl)phtha...	21.463	149	251045	5.450	ng	99
85) Di-n-octyl phthalate	22.433	149	368320	4.727	ng	98
87) Indeno(1,2,3-cd)pyrene	26.827	276	432988	6.103	ng	97
88) Benzo(b)fluoranthene	23.345	252	416503	6.998	ng	99
89) Benzo(k)fluoranthene	23.398	252	424103	7.077	ng	99
90) Benzo(a)pyrene	24.015	252	352849	6.141	ng	97
91) Dibenzo(a,h)anthracene	26.851	278	360360	6.185	ng	99
92) Benzo(g,h,i)perylene	27.656	276	351753	5.942	ng	97

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

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