

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080223\
 Data File : BP016470.D
 Acq On : 02 Aug 2023 15:49
 Operator : MA/JU
 Sample : 03849-02MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 GROVE-SOIL-0731MSD

Quant Time: Aug 02 21:45:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP072723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 28 01:48:25 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/03/2023
 Supervised By :mohammad ahmed 08/03/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.075	152	398473	20.000	ng	-0.02
21) Naphthalene-d8	10.910	136	1691943	20.000	ng	-0.02
39) Acenaphthene-d10	14.728	164	1058246	20.000	ng	0.00
64) Phenanthrene-d10	17.492	188	2289737	20.000	ng	0.00
76) Chrysene-d12	21.592	240	1922310	20.000	ng	0.00
86) Perylene-d12	24.186	264	1555352	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	3270728	133.909	ng	-0.01
7) Phenol-d6	7.216	99	4106897	122.672	ng	-0.01
23) Nitrobenzene-d5	9.275	82	2704947	89.494	ng	-0.02
42) 2,4,6-Tribromophenol	16.222	330	1829001	117.482	ng	0.00
45) 2-Fluorobiphenyl	13.351	172	6125398	82.985	ng	-0.01
79) Terphenyl-d14	20.039	244	9249359	101.641	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.452	88	375527	39.421	ng	# 67
3) Pyridine	3.864	79	980350	34.429	ng	100
4) n-Nitrosodimethylamine	3.787	42	480928	44.795	ng	99
6) Aniline	7.411	93	1267400	30.649	ng	100
8) 2-Chlorophenol	7.628	128	1309603	51.137	ng	97
9) Benzaldehyde	7.222	77	542906	32.734	ng	99
10) Phenol	7.246	94	1546083	47.554	ng	99
11) bis(2-Chloroethyl)ether	7.505	93	1241834	46.989	ng	98
12) 1,3-Dichlorobenzene	7.958	146	1271765	46.259	ng	98
13) 1,4-Dichlorobenzene	8.111	146	1304927	46.792	ng	99
14) 1,2-Dichlorobenzene	8.428	146	1268142	47.228	ng	99
15) Benzyl Alcohol	8.328	79	1227199	53.654	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.611	45	1428231	47.652	ng	99
17) 2-Methylphenol	8.511	107	1137126	48.531	ng	99
18) Hexachloroethane	9.152	117	473764	47.627	ng	93
19) n-Nitroso-di-n-propyla...	8.899	70	1009430	48.129	ng	97
20) 3+4-Methylphenols	8.846	107	1563430	49.130	ng	99
22) Acetophenone	8.922	105	1979091	46.329	ng	# 99
24) Nitrobenzene	9.316	77	1448824	46.670	ng	97
25) Isophorone	9.828	82	2895806	47.455	ng	98
26) 2-Nitrophenol	10.022	139	654961	48.889	ng	98
27) 2,4-Dimethylphenol	10.057	122	1275290	46.714	ng	99
28) bis(2-Chloroethoxy)met...	10.322	93	1768179	47.305	ng	100
29) 2,4-Dichlorophenol	10.546	162	1317140	51.554	ng	98
30) 1,2,4-Trichlorobenzene	10.757	180	1211120	43.766	ng	98
31) Naphthalene	10.963	128	3889906	43.953	ng	99
32) Benzoic acid	10.152	122	252417	18.533	ng	98
33) 4-Chloroaniline	11.087	127	424604	10.636	ng	99
34) Hexachlorobutadiene	11.199	225	664138	40.537	ng	99
35) Caprolactam	11.910	113	403879m	43.262	ng	
36) 4-Chloro-3-methylphenol	12.181	107	1490275	52.476	ng	99
37) 2-Methylnaphthalene	12.557	142	2756251	42.870	ng	99
38) 1-Methylnaphthalene	12.775	142	2661685	44.158	ng	99
40) 1,2,4,5-Tetrachloroben...	12.904	216	1373612	42.713	ng	98
41) Hexachlorocyclopentadiene	12.863	237	1525340	94.439	ng	98
43) 2,4,6-Trichlorophenol	13.151	196	1041131	50.456	ng	99

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44) 2,4,5-Trichlorophenol	13.222	196	1169467	46.714	ng	97
46) 1,1'-Biphenyl	13.563	154	3678147	45.596	ng	100
47) 2-Chloronaphthalene	13.610	162	2825672	46.430	ng	98
48) 2-Nitroaniline	13.834	65	929921	54.207	ng	100
49) Acenaphthylene	14.457	152	4807633	47.611	ng	99
50) Dimethylphthalate	14.187	163	4041326	49.006	ng	99
51) 2,6-Dinitrotoluene	14.322	165	849718	50.297	ng	93
52) Acenaphthene	14.793	154	2773090	46.182	ng	99
53) 3-Nitroaniline	14.657	138	628909	32.928	ng	94
54) 2,4-Dinitrophenol	14.857	184	461325	60.534	ng	97
55) Dibenzofuran	15.128	168	4474418	45.434	ng	99
56) 4-Nitrophenol	14.940	139	1463516	97.887	ng	96
57) 2,4-Dinitrotoluene	15.104	165	1150798	52.268	ng	97
58) Fluorene	15.775	166	3551093	45.898	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.334	232	979554	47.566	ng	93
60) Diethylphthalate	15.540	149	3805491	46.435	ng	99
61) 4-Chlorophenyl-phenyle...	15.769	204	1729393	44.295	ng	98
62) 4-Nitroaniline	15.828	138	922590	48.673	ng	98
63) Azobenzene	16.063	77	3713425	47.988	ng	96
65) 4,6-Dinitro-2-methylph...	15.851	198	430693	41.199	ng	93
66) n-Nitrosodiphenylamine	15.992	169	3214450	47.635	ng	100
67) 4-Bromophenyl-phenylether	16.669	248	1094171	45.129	ng	94
68) Hexachlorobenzene	16.751	284	1249183	46.201	ng	95
69) Atrazine	16.945	200	1151955	57.401	ng	99
70) Pentachlorophenol	17.116	266	1423977	76.104	ng	95
71) Phenanthrene	17.534	178	5705810	46.929	ng	100
72) Anthracene	17.628	178	5741314	46.961	ng	100
73) Carbazole	17.904	167	5542046	48.351	ng	99
74) Di-n-butylphthalate	18.422	149	6623030	49.944	ng	99
75) Fluoranthene	19.492	202	6539347	45.888	ng	98
77) Benzidine	19.686	184	2189485	65.694	ng	100
78) Pyrene	19.851	202	6730996	52.234	ng	100
80) Butylbenzylphthalate	20.710	149	2936883	58.013	ng	96
81) Benzo(a)anthracene	21.575	228	6225718	48.270	ng	100
82) 3,3'-Dichlorobenzidine	21.504	252	1231846	29.095	ng	# 98
83) Chrysene	21.633	228	5678932	46.109	ng	100
84) Bis(2-ethylhexyl)phtha...	21.457	149	4102120	53.971	ng	99
85) Di-n-octyl phthalate	22.451	149	6436411	50.352	ng	99
87) Indeno(1,2,3-cd)pyrene	26.957	276	4381790	41.787	ng	96
88) Benzo(b)fluoranthene	23.380	252	5109561	56.673	ng	99
89) Benzo(k)fluoranthene	23.433	252	4981809	54.332	ng	99
90) Benzo(a)pyrene	24.069	252	4093295	46.873	ng	98
91) Dibenzo(a,h)anthracene	26.986	278	3629124	41.501	ng	98
92) Benzo(g,h,i)perylene	27.821	276	3542657	42.039	ng	97

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

