

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032924\
 Data File : BM044812.D
 Acq On : 29 Mar 2024 11:58
 Operator : MA/JU
 Sample : P1869-03MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-1MS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/30/2024
 Supervised By :mohammad ahmed 03/30/2024

Quant Time: Mar 29 12:51:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 29 01:24:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.663	152	86878	20.000	ng	-0.01
21) Naphthalene-d8	10.445	136	328542	20.000	ng	-0.01
39) Acenaphthene-d10	14.316	164	182637	20.000	ng	0.00
64) Phenanthrene-d10	17.068	188	373513	20.000	ng	-0.01
76) Chrysene-d12	21.268	240	386457	20.000	ng	-0.01
86) Perylene-d12	23.503	264	461935	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.281	112	862093	142.117	ng	0.00
7) Phenol-d6	6.851	99	988662	125.649	ng	0.00
23) Nitrobenzene-d5	8.828	82	709966	97.416	ng	-0.01
42) 2,4,6-Tribromophenol	15.816	330	353709	177.229	ng	0.00
45) 2-Fluorobiphenyl	12.928	172	1293510	90.710	ng	-0.01
79) Terphenyl-d14	19.715	244	2013388	88.292	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.269	88	102517	42.764	ng	# 49
3) Pyridine	3.663	79	214581	31.853	ng	100
4) n-Nitrosodimethylamine	3.575	42	171090	48.405	ng	# 97
6) Aniline	7.010	93	117444	12.816	ng	95
8) 2-Chlorophenol	7.234	128	294729	47.968	ng	97
9) Benzaldehyde	6.828	77	41402m	10.119	ng	
10) Phenol	6.875	94	341303	43.933	ng	99
11) bis(2-Chloroethyl)ether	7.110	93	294347	48.131	ng	97
12) 1,3-Dichlorobenzene	7.551	146	311778	48.570	ng	99
13) 1,4-Dichlorobenzene	7.698	146	316020	48.450	ng	99
14) 1,2-Dichlorobenzene	8.010	146	307755	48.943	ng	98
15) Benzyl Alcohol	7.916	79	268420	49.815	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.187	45	450681m	48.795	ng	
17) 2-Methylphenol	8.110	107	237248	43.260	ng	99
18) Hexachloroethane	8.722	117	123014	48.374	ng	98
19) n-Nitroso-di-n-propyla...	8.475	70	221683	46.559	ng	98
20) 3+4-Methylphenols	8.440	107	317295	42.814	ng	99
22) Acetophenone	8.493	105	435600	48.886	ng	# 98
24) Nitrobenzene	8.869	77	340652	47.848	ng	98
25) Isophorone	9.392	82	593229	50.479	ng	99
26) 2-Nitrophenol	9.569	139	154790	49.326	ng	98
27) 2,4-Dimethylphenol	9.634	122	198366	38.501	ng	99
28) bis(2-Chloroethoxy)met...	9.875	93	360227	48.759	ng	99
29) 2,4-Dichlorophenol	10.098	162	254461	50.889	ng	98
30) 1,2,4-Trichlorobenzene	10.304	180	261919	49.776	ng	98
31) Naphthalene	10.492	128	862646	47.800	ng	100
32) Benzoic acid	9.781	122	192095	49.668	ng	97
33) 4-Chloroaniline	10.622	127	57041	7.669	ng	98
34) Hexachlorobutadiene	10.763	225	147928	47.349	ng	99
35) Caprolactam	11.434	113	75129	51.571	ng	97
36) 4-Chloro-3-methylphenol	11.751	107	262802	50.543	ng	99
37) 2-Methylnaphthalene	12.116	142	553715	46.757	ng	100
38) 1-Methylnaphthalene	12.333	142	511703	46.359	ng	98
40) 1,2,4,5-Tetrachloroben...	12.481	216	264355	46.280	ng	99
41) Hexachlorocyclopentadiene	12.451	237	292021	95.257	ng	100
43) 2,4,6-Trichlorophenol	12.733	196	181248	47.411	ng	97

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44) 2,4,5-Trichlorophenol	12.810	196	199210	45.248	ng	98
46) 1,1'-Biphenyl	13.139	154	694586	46.994	ng	99
47) 2-Chloronaphthalene	13.180	162	533764	48.010	ng	99
48) 2-Nitroaniline	13.404	65	198671	51.591	ng	97
49) Acenaphthylene	14.033	152	899803	51.064	ng	99
50) Dimethylphthalate	13.786	163	654262	50.946	ng	99
51) 2,6-Dinitrotoluene	13.910	165	142812	51.313	ng	98
52) Acenaphthene	14.380	154	498903	47.859	ng	98
53) 3-Nitroaniline	14.239	138	101694	32.077	ng	100
54) 2,4-Dinitrophenol	14.451	184	189315	108.222	ng	92
55) Dibenzofuran	14.716	168	815867	49.883	ng	98
56) 4-Nitrophenol	14.557	139	283672	116.264	ng	93
57) 2,4-Dinitrotoluene	14.704	165	206240	59.062	ng	99
58) Fluorene	15.369	166	672684	53.521	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.945	232	173011m	55.073	ng	
60) Diethylphthalate	15.157	149	696861	57.796	ng	99
61) 4-Chlorophenyl-phenyle...	15.369	204	308250	51.686	ng	98
62) 4-Nitroaniline	15.410	138	171231m	56.240	ng	
63) Azobenzene	15.663	77	760744	56.619	ng	99
65) 4,6-Dinitro-2-methylph...	15.463	198	118774	51.097	ng	99
66) n-Nitrosodiphenylamine	15.592	169	559350	45.175	ng	98
67) 4-Bromophenyl-phenylether	16.269	248	190646	46.625	ng	99
68) Hexachlorobenzene	16.369	284	219395	49.571	ng	98
69) Atrazine	16.557	200	190356	56.250	ng	97
70) Pentachlorophenol	16.721	266	326064	111.308	ng	98
71) Phenanthrene	17.116	178	1020738	48.984	ng	99
72) Anthracene	17.204	178	1038577	49.344	ng	99
73) Carbazole	17.480	167	1015126	54.012	ng	99
74) Di-n-butylphthalate	18.051	149	1232407	59.708	ng	99
75) Fluoranthene	19.139	202	1212794	58.306	ng	98
77) Benzidine	19.345	184	34876m	4.186	ng	
78) Pyrene	19.504	202	1302508	42.296	ng	100
80) Butylbenzylphthalate	20.421	149	600698	53.634	ng	99
81) Benzo(a)anthracene	21.256	228	1340685	49.769	ng	99
82) 3,3'-Dichlorobenzidine	21.198	252	374788	40.122	ng	98
83) Chrysene	21.309	228	1276605	49.445	ng	99
84) Bis(2-ethylhexyl)phtha...	21.198	149	874105	57.258	ng	99
85) Di-n-octyl phthalate	22.086	149	1582209	61.247	ng	95
87) Indeno(1,2,3-cd)pyrene	25.768	276	1787818	50.950	ng	99
88) Benzo(b)fluoranthene	22.839	252	1433313	54.756	ng	100
89) Benzo(k)fluoranthene	22.880	252	1430866	54.436	ng	99
90) Benzo(a)pyrene	23.409	252	1346491	50.687	ng	100
91) Dibenzo(a,h)anthracene	25.780	278	1473847	50.715	ng	99
92) Benzo(g,h,i)perylene	26.450	276	1410883	46.662	ng	99

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

