

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031723\
 Data File : BM039031.D
 Acq On : 17 Mar 2023 12:05
 Operator : CG/JU
 Sample : 01627-02
 Misc : LOQ-SOIL10ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2023

Quant Time: Mar 18 01:43:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 17 05:25:34 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/20/2023
 Supervised By : Jagrut Upadhyay 03/20/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.975	152	440659	20.000	ng	0.00
21) Naphthalene-d8	10.786	136	1893622	20.000	ng	0.00
39) Acenaphthene-d10	14.616	164	1148847	20.000	ng	0.00
64) Phenanthrene-d10	17.362	188	2350189	20.000	ng	0.00
76) Chrysene-d12	21.539	240	1901917	20.000	ng	0.00
86) Perylene-d12	23.980	264	1880868	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	2282598	78.699	ng	0.00
7) Phenol-d6	7.134	99	3092929	82.098	ng	0.00
23) Nitrobenzene-d5	9.145	82	2243496	58.197	ng	0.00
42) 2,4,6-Tribromophenol	16.104	330	1038052	78.106	ng	0.00
45) 2-Fluorobiphenyl	13.245	172	4664882	52.859	ng	0.00
79) Terphenyl-d14	19.980	244	6148210	59.103	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.399	88	85377	6.617	ng	98
3) Pyridine	3.805	79	298834	8.351	ng	98
4) n-Nitrosodimethylamine	3.710	42	140753	9.666	ng	# 98
6) Aniline	7.298	93	484985	9.804	ng	97
8) 2-Chlorophenol	7.534	128	302405	9.793	ng	100
9) Benzaldehyde	7.110	77	199921m	11.152	ng	
10) Phenol	7.157	94	396794	9.918	ng	99
11) bis(2-Chloroethyl)ether	7.398	93	327303	10.062	ng	99
12) 1,3-Dichlorobenzene	7.863	146	317708	9.682	ng	100
13) 1,4-Dichlorobenzene	8.010	146	322660	9.668	ng	100
14) 1,2-Dichlorobenzene	8.328	146	316855	9.856	ng	99
15) Benzyl Alcohol	8.216	79	276503	10.240	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.510	45	460753	11.216	ng	99
17) 2-Methylphenol	8.416	107	257737	9.378	ng	99
18) Hexachloroethane	9.063	117	132939	10.796	ng	98
19) n-Nitroso-di-n-propyla...	8.787	70	267465	11.271	ng	97
20) 3+4-Methylphenols	8.745	107	346769	9.450	ng	99
22) Acetophenone	8.804	105	357683	6.732	ng	# 99
24) Nitrobenzene	9.187	77	386792	9.546	ng	98
25) Isophorone	9.710	82	728208	10.265	ng	99
26) 2-Nitrophenol	9.898	139	150223	10.864	ng	98
27) 2,4-Dimethylphenol	9.957	122	291990	9.446	ng	97
28) bis(2-Chloroethoxy)met...	10.198	93	440271	9.659	ng	99
29) 2,4-Dichlorophenol	10.428	162	260320	8.883	ng	99
30) 1,2,4-Trichlorobenzene	10.651	180	281460	8.789	ng	100
31) Naphthalene	10.839	128	973099	9.012	ng	99
32) Benzoic acid	10.034	122	131003	10.819	ng	98
33) 4-Chloroaniline	10.945	127	414151	9.000	ng	98
34) Hexachlorobutadiene	11.128	225	164482	8.956	ng	98
35) Caprolactam	11.722	113	84282	9.449	ng	94
36) 4-Chloro-3-methylphenol	12.063	107	299971	9.613	ng	97
37) 2-Methylnaphthalene	12.445	142	655800	9.061	ng	99
38) 1-Methylnaphthalene	12.663	142	616890	9.096	ng	100
40) 1,2,4,5-Tetrachloroben...	12.810	216	214678	5.748	ng	99
41) Hexachlorocyclopentadiene	12.792	237	222991	10.877	ng	97
43) 2,4,6-Trichlorophenol	13.051	196	201448	8.329	ng	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.116	196	215637	7.617	ng	98
46) 1,1'-Biphenyl	13.451	154	624087	6.412	ng	99
47) 2-Chloronaphthalene	13.492	162	652477	8.890	ng	99
48) 2-Nitroaniline	13.692	65	192282	10.021	ng	94
49) Acenaphthylene	14.339	152	1027981	8.794	ng	100
50) Dimethylphthalate	14.074	163	812756	9.194	ng	99
51) 2,6-Dinitrotoluene	14.186	165	161250	9.508	ng	89
52) Acenaphthene	14.680	154	648161	9.022	ng	100
53) 3-Nitroaniline	14.516	138	178069	9.123	ng	98
54) 2,4-Dinitrophenol	14.721	184	87423	12.466	ng	100
55) Dibenzofuran	15.010	168	1021029	9.082	ng	98
56) 4-Nitrophenol	14.816	139	192684	10.975	ng	98
57) 2,4-Dinitrotoluene	14.974	165	210243	9.890	ng	94
58) Fluorene	15.663	166	838070	9.516	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.233	232	195937	8.975	ng	98
60) Diethylphthalate	15.433	149	843134	9.802	ng	100
61) 4-Chlorophenyl-phenyle...	15.657	204	406222	9.389	ng	97
62) 4-Nitroaniline	15.674	138	181469	9.265	ng	93
63) Azobenzene	15.945	77	896121	9.846	ng	98
65) 4,6-Dinitro-2-methylph...	15.733	198	119041	11.979	ng	90
66) n-Nitrosodiphenylamine	15.868	169	683313	8.624	ng	99
67) 4-Bromophenyl-phenylether	16.551	248	242379	9.548	ng	96
68) Hexachlorobenzene	16.662	284	272786	9.613	ng	97
69) Atrazine	16.815	200	157005	7.255	ng	98
70) Pentachlorophenol	17.004	266	191738	9.187	ng	99
71) Phenanthrene	17.404	178	1349147	9.781	ng	99
72) Anthracene	17.492	178	1457738	10.597	ng	99
73) Carbazole	17.762	167	1170263	9.322	ng	99
74) Di-n-butylphthalate	18.327	149	1572325	11.682	ng	100
75) Fluoranthene	19.415	202	1539041	10.568	ng	99
77) Benzidine	19.598	184	381522	12.783	ng	99
78) Pyrene	19.774	202	1614248	11.300	ng	99
80) Butylbenzylphthalate	20.674	149	597918	12.480	ng	97
81) Benzo(a)anthracene	21.521	228	1423906	10.396	ng	100
82) 3,3'-Dichlorobenzidine	21.456	252	304520	7.234	ng	99
83) Chrysene	21.574	228	1310747	9.840	ng	100
84) Bis(2-ethylhexyl)phtha...	21.450	149	850852	11.672	ng	99
85) Di-n-octyl phthalate	22.392	149	1381227	12.524	ng	98
87) Indeno(1,2,3-cd)pyrene	26.515	276	1354010	9.461	ng	98
88) Benzo(b)fluoranthene	23.233	252	1282103	10.670	ng	99
89) Benzo(k)fluoranthene	23.280	252	1264135	10.109	ng	99
90) Benzo(a)pyrene	23.868	252	1099591	9.508	ng	99
91) Dibenzo(a,h)anthracene	26.532	278	1138348	9.392	ng	98
92) Benzo(g,h,i)perylene	27.291	276	1066764	8.996	ng	98

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

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