Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031623\
Data File : BM039018.D
Acq On : 16 Mar 2023 15:31
Operator : CG/JU
Sample : 01627-02
Misc : LOQ-SOIL-10ppm
ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Mar 17 06:16:00 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 06:13:01 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.975	152	357172	20.000	ng		0.00
21) Naphthalene-d8	10.793	136	1532948	20.000	ng		0.00
39) Acenaphthene-d10	14.616	164	943643	20.000	ng		0.00
64) Phenanthrene-d10	17.363	188	1923415	20.000	ng		0.00
76) Chrysene-d12	21.545	240	1581669	20.000	ng		0.00
86) Perylene-d12	23.986	264	1492991	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.528	112	2173422	92.450	ng		0.00
7) Phenol-d6	7.134	99	2993715	98.039	ng		0.00
23) Nitrobenzene-d5	9.146	82	2236231	71.657	ng		0.00
42) 2,4,6-Tribromophenol	16.104	330	1066548	97.701	ng		0.00
45) 2-Fluorobiphenyl	13.245	172	4704270	64.897	ng		0.00
79) Terphenyl-d14	19.986	244	6480528	74.912	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.393	88	78644	7.519	ng		97
3) Pyridine	3.805	79	295410	10.184	ng		95
4) n-Nitrosodimethylamine	3.711	42	135428	11.474	ng	#	96
6) Aniline	7.299	93	474498	11.835	ng		98
8) 2-Chlorophenol	7.534	128	287752	11.497	ng		96
9) Benzaldehyde	7.110	77	196390	13.515	ng		99
10) Phenol	7.158	94	380664	11.739	ng		97
11) bis(2-Chloroethyl)ether	7.399	93	314937	11.945	ng		98
12) 1,3-Dichlorobenzene	7.863	146	310760	11.683	ng		98
13) 1,4-Dichlorobenzene	8.010	146	313531	11.590	ng		99
14) 1,2-Dichlorobenzene	8.334	146	310755	11.926	ng		99
15) Benzyl Alcohol	8.216	79	269154	12.297	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.505	45	443892	13.331	ng		98
17) 2-Methylphenol	8.416	107	247986	11.133	ng		99
18) Hexachloroethane	9.063	117	116498	11.672	ng		100
19) n-Nitroso-di-n-propyla...	8.787	70	265609	13.810	ng		97
20) 3+4-Methylphenols	8.746	107	334219	11.237	ng		99
22) Acetophenone	8.804	105	356353	8.286	ng	#	99
24) Nitrobenzene	9.187	77	383504	11.692	ng		99
25) Isophorone	9.710	82	703617	12.252	ng		98
26) 2-Nitrophenol	9.899	139	144362	11.137	ng		97
27) 2,4-Dimethylphenol	9.957	122	284969	11.388	ng		95
28) bis(2-Chloroethoxy)met...	10.199	93	441966	11.977	ng		99
29) 2,4-Dichlorophenol	10.434	162	252666	10.650	ng		99
30) 1,2,4-Trichlorobenzene	10.651	180	276062	10.649	ng		100
31) Naphthalene	10.840	128	961212	10.996	ng		99
32) Benzoic acid	10.040	122	143742	8.672	ng		97
33) 4-Chloroaniline	10.951	127	409235	10.986	ng		97
34) Hexachlorobutadiene	11.128	225	155008	10.427	ng		95
35) Caprolactam	11.728	113	78592	10.885	ng		97
36) 4-Chloro-3-methylphenol	12.069	107	302055	11.957	ng		96
37) 2-Methylnaphthalene	12.445	142	657979	11.231	ng		99
38) 1-Methylnaphthalene	12.669	142	616844	11.235	ng		100
40) 1,2,4,5-Tetrachloroben...	12.810	216	212263	6.919	ng		99
41) Hexachlorocyclopentadiene	12.792	237	187109	11.112	ng		99
43) 2,4,6-Trichlorophenol	13.051	196	198774	10.006	ng		98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.116	196	219967	9.460	ng	98
46) 1,1'-Biphenyl	13.451	154	622618	7.788	ng	99
47) 2-Chloronaphthalene	13.498	162	656830	10.896	ng	99
48) 2-Nitroaniline	13.698	65	194476	11.234	ng	99
49) Acenaphthylene	14.339	152	1036909	10.799	ng	100
50) Dimethylphthalate	14.075	163	819112	11.281	ng	100
51) 2,6-Dinitrotoluene	14.192	165	165507	11.210	ng	92
52) Acenaphthene	14.681	154	643518	10.905	ng	99
53) 3-Nitroaniline	14.522	138	184035	10.753	ng	96
54) 2,4-Dinitrophenol	14.722	184	89063	11.195	ng	97
55) Dibenzofuran	15.016	168	1019361	11.039	ng	99
56) 4-Nitrophenol	14.816	139	196084	13.597	ng	93
57) 2,4-Dinitrotoluene	14.975	165	213616	11.298	ng	92
58) Fluorene	15.663	166	815230	11.270	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.239	232	195578	10.906	ng	97
60) Diethylphthalate	15.433	149	826647	11.700	ng	98
61) 4-Chlorophenyl-phenyle...	15.657	204	387927	10.916	ng	96
62) 4-Nitroaniline	15.681	138	190422	11.149	ng	99
63) Azobenzene	15.951	77	889442	11.898	ng	99
65) 4,6-Dinitro-2-methylph...	15.733	198	122294	10.620	ng	94
66) n-Nitrosodiphenylamine	15.869	169	683387	10.539	ng	98
67) 4-Bromophenyl-phenylether	16.551	248	216549	10.424	ng	93
68) Hexachlorobenzene	16.663	284	253955	10.935	ng	97
69) Atrazine	16.822	200	149042	8.415	ng	98
70) Pentachlorophenol	17.004	266	168291	9.852	ng	99
71) Phenanthrene	17.404	178	1235398	10.944	ng	99
72) Anthracene	17.492	178	1219233	10.830	ng	99
73) Carbazole	17.763	167	1139788	11.094	ng	99
74) Di-n-butylphthalate	18.333	149	1333943	11.688	ng	99
75) Fluoranthene	19.416	202	1289986	10.823	ng	99
77) Benzidine	19.604	184	415462	12.603	ng	99
78) Pyrene	19.780	202	1344538	11.318	ng	99
80) Butylbenzylphthalate	20.674	149	515590	11.686	ng	93
81) Benzo(a)anthracene	21.527	228	1233397	10.828	ng	99
82) 3,3'-Dichlorobenzidine	21.462	252	295362	8.437	ng	99
83) Chrysene	21.580	228	1161088	10.481	ng	100
84) Bis(2-ethylhexyl)phtha...	21.457	149	752733	11.625	ng	99
85) Di-n-octyl phthalate	22.398	149	1139073	10.187	ng	97
87) Indeno(1,2,3-cd)pyrene	26.521	276	1114580	9.811	ng	98
88) Benzo(b)fluoranthene	23.239	252	1109145	11.628	ng	99
89) Benzo(k)fluoranthene	23.286	252	1084886	10.929	ng	99
90) Benzo(a)pyrene	23.874	252	895916	9.760	ng	100
91) Dibenzo(a,h)anthracene	26.539	278	951189	9.887	ng	97
92) Benzo(g,h,i)perylene	27.297	276	893703	9.495	ng	97

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

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