Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020624\
Data File : BM043989.D
Acq On : 06 Feb 2024 13:26
Operator : MA/JU
Sample : 04699-02
Misc : LOQ-SOIL-5PPM
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 07 03:06:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 06 07:03:31 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.922	152	285990	20.000	ng		0.00
21) Naphthalene-d8	10.728	136	1294335	20.000	ng		0.00
39) Acenaphthene-d10	14.563	164	822428	20.000	ng		0.00
64) Phenanthrene-d10	17.315	188	1823037	20.000	ng		0.00
76) Chrysene-d12	21.515	240	1852695	20.000	ng		0.00
86) Perylene-d12	23.927	264	2153213	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	2150181	111.027	ng		0.00
7) Phenol-d6	7.087	99	2939832	102.741	ng		0.00
23) Nitrobenzene-d5	9.092	82	2449188	91.216	ng		0.00
42) 2,4,6-Tribromophenol	16.057	330	1022820	102.024	ng		0.00
45) 2-Fluorobiphenyl	13.192	172	5494827	91.805	ng		0.00
79) Terphenyl-d14	19.956	244	9470626	98.679	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.399	88	42437	5.670	ng		99
3) Pyridine	3.799	79	105220	4.620	ng		97
4) n-Nitrosodimethylamine	3.722	42	46205	4.719	ng	#	95
6) Aniline	7.251	93	157173	5.521	ng		99
8) 2-Chlorophenol	7.481	128	96948	4.509	ng		98
9) Benzaldehyde	7.069	77	104279	3.555	ng		97
10) Phenol	7.110	94	139439	4.901	ng		89
11) bis(2-Chloroethyl)ether	7.357	93	109927	4.930	ng		98
12) 1,3-Dichlorobenzene	7.804	146	115384	4.970	ng		97
13) 1,4-Dichlorobenzene	7.957	146	117279	4.995	ng		99
14) 1,2-Dichlorobenzene	8.269	146	113605	4.907	ng		94
15) Benzyl Alcohol	8.169	79	94113	4.799	ng		94
16) 2,2'-oxybis(1-Chloropr...	8.451	45	158577m	5.303	ng		
17) 2-Methylphenol	8.369	107	82126	4.516	ng		99
18) Hexachloroethane	8.992	117	42517	4.826	ng		95
19) n-Nitroso-di-n-propyla...	8.734	70	87696	4.658	ng		98
20) 3+4-Methylphenols	8.692	107	110866	4.319	ng		99
22) Acetophenone	8.751	105	180006	5.133	ng	#	97
24) Nitrobenzene	9.134	77	142719	5.298	ng		99
25) Isophorone	9.657	82	235109	4.704	ng		98
26) 2-Nitrophenol	9.839	139	43807	4.023	ng		94
27) 2,4-Dimethylphenol	9.904	122	76929	5.146	ng		96
28) bis(2-Chloroethoxy)met...	10.151	93	157988	5.176	ng		97
29) 2,4-Dichlorophenol	10.369	162	85321	4.474	ng		99
30) 1,2,4-Trichlorobenzene	10.586	180	107817	5.006	ng		99
31) Naphthalene	10.775	128	359978	4.990	ng		99
32) Benzoic acid	9.957	122	37980m	8.672	ng		
33) 4-Chloroaniline	10.892	127	149496	5.042	ng		97
34) Hexachlorobutadiene	11.051	225	57419	4.888	ng		93
35) Caprolactam	11.663	113	29982	3.834	ng		93
36) 4-Chloro-3-methylphenol	12.016	107	100712	4.313	ng		98
37) 2-Methylnaphthalene	12.386	142	244782	4.865	ng		99
38) 1-Methylnaphthalene	12.604	142	243144	4.841	ng		99
40) 1,2,4,5-Tetrachloroben...	12.751	216	118904	5.098	ng		99
41) Hexachlorocyclopentadiene	12.722	237	43138	5.623	ng		93
43) 2,4,6-Trichlorophenol	12.998	196	65719	4.169	ng		98

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 06 07:03:31 2024
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.063	196	73944	4.112	ng		99
46) 1,1'-Biphenyl	13.404	154	330179	5.105	ng		99
47) 2-Chloronaphthalene	13.439	162	255450	4.953	ng		99
48) 2-Nitroaniline	13.651	65	70096	4.179	ng		94
49) Acenaphthylene	14.286	152	408002	5.175	ng		100
50) Dimethylphthalate	14.033	163	312189	4.887	ng		99
51) 2,6-Dinitrotoluene	14.151	165	58716	4.181	ng		93
52) Acenaphthene	14.627	154	241638	4.835	ng		98
53) 3-Nitroaniline	14.480	138	68502	4.202	ng	#	87
54) 2,4-Dinitrophenol	14.686	184	19092	9.409	ng		95
55) Dibenzofuran	14.963	168	396977	5.104	ng		100
56) 4-Nitrophenol	14.780	139	53244	3.737	ng		93
57) 2,4-Dinitrotoluene	14.933	165	73382	3.754	ng		94
58) Fluorene	15.615	166	316310	4.815	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.186	232	70657	4.557	ng		98
60) Diethylphthalate	15.398	149	307474	4.649	ng		99
61) 4-Chlorophenyl-phenyle...	15.615	204	150050	4.896	ng		97
62) 4-Nitroaniline	15.639	138	69409	3.894	ng		96
63) Azobenzene	15.910	77	314077	4.755	ng		99
65) 4,6-Dinitro-2-methylph...	15.692	198	30062	8.524	ng		87
66) n-Nitrosodiphenylamine	15.827	169	268755	4.949	ng		100
67) 4-Bromophenyl-phenylether	16.510	248	72220	4.021	ng		97
68) Hexachlorobenzene	16.610	284	103973	4.856	ng		93
69) Atrazine	16.786	200	83870	5.583	ng		99
70) Pentachlorophenol	16.957	266	47608	3.386	ng		95
71) Phenanthrene	17.357	178	522849	5.149	ng		98
72) Anthracene	17.451	178	489265	4.922	ng		99
73) Carbazole	17.727	167	476915	4.632	ng		99
74) Di-n-butylphthalate	18.304	149	488610	4.327	ng		99
75) Fluoranthene	19.380	202	576421	4.590	ng		99
77) Benzidine	19.574	184	213581	9.086	ng		99
78) Pyrene	19.739	202	624282	4.902	ng		99
80) Butylbenzylphthalate	20.662	149	206384	4.093	ng		96
81) Benzo(a)anthracene	21.497	228	654026	5.032	ng		99
82) 3,3'-Dichlorobenzidine	21.439	252	192940	4.642	ng		99
83) Chrysene	21.550	228	618213	4.965	ng		99
84) Bis(2-ethylhexyl)phtha...	21.450	149	315011	4.200	ng		99
85) Di-n-octyl phthalate	22.397	149	515050	3.987	ng		99
87) Indeno(1,2,3-cd)pyrene	26.421	276	737977	4.580	ng		100
88) Benzo(b)fluoranthene	23.191	252	640093	4.726	ng		99
89) Benzo(k)fluoranthene	23.238	252	629274	4.843	ng		99
90) Benzo(a)pyrene	23.815	252	550174	4.596	ng		99
91) Dibenzo(a,h)anthracene	26.450	278	611075	4.599	ng		99
92) Benzo(g,h,i)perylene	27.185	276	599300	4.422	ng		97

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

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