Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020924\
Data File : BM044041.D
Acq On : 09 Feb 2024 16:06
Operator : MA/JU
Sample : P1187-01
Misc : LOD-MDL-SOIL-4ppm
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

Quant Time: Feb 09 17:11:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 09 02:42:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.910	152	485325	20.000	ng		0.00
21) Naphthalene-d8	10.710	136	2155904	20.000	ng		0.00
39) Acenaphthene-d10	14.551	164	1306841	20.000	ng		0.00
64) Phenanthrene-d10	17.304	188	2582351	20.000	ng		0.00
76) Chrysene-d12	21.503	240	1945178	20.000	ng		0.00
86) Perylene-d12	23.897	264	2046758	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.481	112	4218013	126.406	ng		0.00
7) Phenol-d6	7.075	99	5474227	128.937	ng		0.00
23) Nitrobenzene-d5	9.081	82	3253655	80.083	ng		0.00
42) 2,4,6-Tribromophenol	16.045	330	1841519	130.147	ng		0.00
45) 2-Fluorobiphenyl	13.180	172	7029153	75.911	ng		0.00
79) Terphenyl-d14	19.945	244	8729549	78.672	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.387	88	53732	4.057	ng		99
3) Pyridine	3.793	79	122715	3.510	ng		97
4) n-Nitrosodimethylamine	3.710	42	48322	3.643	ng	#	94
6) Aniline	7.240	93	192083	4.601	ng		98
8) 2-Chlorophenol	7.469	128	129780	3.724	ng		99
9) Benzaldehyde	7.057	77	124748m	5.718	ng		
10) Phenol	7.104	94	170898	3.988	ng		99
11) bis(2-Chloroethyl)ether	7.346	93	143766	4.052	ng		98
12) 1,3-Dichlorobenzene	7.793	146	149985	3.791	ng		99
13) 1,4-Dichlorobenzene	7.940	146	154159	3.866	ng		100
14) 1,2-Dichlorobenzene	8.257	146	148224	3.901	ng		97
15) Benzyl Alcohol	8.151	79	113251	4.097	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.440	45	184995	4.113	ng		99
17) 2-Methylphenol	8.351	107	105340	3.745	ng		97
18) Hexachloroethane	8.981	117	55247	3.700	ng		97
19) n-Nitroso-di-n-propyla...	8.722	70	108923	4.178	ng		99
20) 3+4-Methylphenols	8.681	107	144880	3.742	ng		98
22) Acetophenone	8.740	105	220247	4.025	ng	#	97
24) Nitrobenzene	9.122	77	165817	3.985	ng		99
25) Isophorone	9.639	82	295538	3.778	ng		99
26) 2-Nitrophenol	9.828	139	62745	3.253	ng		95
27) 2,4-Dimethylphenol	9.887	122	99938	4.052	ng		96
28) bis(2-Chloroethoxy)met...	10.134	93	197906	3.912	ng		98
29) 2,4-Dichlorophenol	10.357	162	111778	3.442	ng		98
30) 1,2,4-Trichlorobenzene	10.569	180	135447	3.709	ng		99
31) Naphthalene	10.757	128	452697	3.805	ng		100
33) 4-Chloroaniline	10.881	127	179801	3.991	ng		98
34) Hexachlorobutadiene	11.034	225	74772	3.577	ng		98
35) Caprolactam	11.651	113	33236	3.181	ng		88
36) 4-Chloro-3-methylphenol	11.998	107	123232	3.505	ng		98
37) 2-Methylnaphthalene	12.375	142	302070	3.811	ng		98
38) 1-Methylnaphthalene	12.592	142	293273	3.766	ng		98
40) 1,2,4,5-Tetrachloroben...	12.733	216	146153	3.848	ng		99
41) Hexachlorocyclopentadiene	12.704	237	56217	3.391	ng		98
43) 2,4,6-Trichlorophenol	12.980	196	84609	3.273	ng		97
44) 2,4,5-Trichlorophenol	13.051	196	93408	3.293	ng		99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.386	154	402899	3.907	ng		100
47) 2-Chloronaphthalene	13.427	162	304182	3.724	ng		99
48) 2-Nitroaniline	13.639	65	76433	3.326	ng		92
49) Acenaphthylene	14.274	152	489796	4.019	ng		99
50) Dimethylphthalate	14.016	163	377582	3.897	ng		100
51) 2,6-Dinitrotoluene	14.139	165	69111	3.233	ng		94
52) Acenaphthene	14.616	154	286277	3.796	ng		100
53) 3-Nitroaniline	14.469	138	72498	3.156	ng	#	92
54) 2,4-Dinitrophenol	14.669	184	21665	7.158	ng		94
55) Dibenzofuran	14.951	168	467075	4.001	ng		100
56) 4-Nitrophenol	14.769	139	47666	2.552	ng		89
57) 2,4-Dinitrotoluene	14.921	165	83801	2.999	ng		90
58) Fluorene	15.598	166	361300	4.005	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.174	232	78582	3.530	ng		95
60) Diethylphthalate	15.386	149	367065	3.666	ng		99
61) 4-Chlorophenyl-phenyle...	15.604	204	173799	3.976	ng		99
62) 4-Nitroaniline	15.627	138	66370	2.870	ng		96
63) Azobenzene	15.892	77	352340	3.750	ng		97
65) 4,6-Dinitro-2-methylph...	15.680	198	34198	2.222	ng		95
66) n-Nitrosodiphenylamine	15.816	169	300029	3.824	ng		99
67) 4-Bromophenyl-phenylether	16.498	248	82465	3.230	ng		98
68) Hexachlorobenzene	16.592	284	115413	3.690	ng		98
69) Atrazine	16.774	200	93853	4.418	ng		96
70) Pentachlorophenol	16.945	266	51890	2.550	ng		100
71) Phenanthrene	17.345	178	551065	4.041	ng		99
72) Anthracene	17.433	178	508751	3.768	ng		100
73) Carbazole	17.710	167	468911	3.572	ng		99
74) Di-n-butylphthalate	18.292	149	568979	3.334	ng		100
75) Fluoranthene	19.362	202	548010	3.578	ng		99
77) Benzidine	19.562	184	160246	5.301	ng		97
78) Pyrene	19.727	202	569721	3.803	ng		98
80) Butylbenzylphthalate	20.651	149	200706	3.014	ng		97
81) Benzo(a)anthracene	21.486	228	519035	3.836	ng		99
82) 3,3'-Dichlorobenzidine	21.427	252	157799	3.554	ng		98
83) Chrysene	21.539	228	479538	3.751	ng		98
84) Bis(2-ethylhexyl)phtha...	21.439	149	331889	3.378	ng		99
85) Di-n-octyl phthalate	22.374	149	464251	2.706	ng		98
87) Indeno(1,2,3-cd)pyrene	26.374	276	508439	3.510	ng		99
88) Benzo(b)fluoranthene	23.168	252	473405	3.700	ng		99
89) Benzo(k)fluoranthene	23.215	252	450903	3.709	ng		99
90) Benzo(a)pyrene	23.786	252	385705	3.451	ng		98
91) Dibenzo(a,h)anthracene	26.403	278	434977	3.590	ng		99
92) Benzo(g,h,i)perylene	27.132	276	416832	3.392	ng		98

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

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