Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020924\
Data File : BM044038.D
Acq On : 09 Feb 2024 14:17
Operator : MA/JU
Sample : 04699-01
Misc : LOD-MDL-SOIL-8ppm
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Quant Time: Feb 09 14:46:19 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	600970	20.000	ng		0.00
21) Naphthalene-d8	10.710	136	2610692	20.000	ng		0.00
39) Acenaphthene-d10	14.551	164	1514876	20.000	ng		0.00
64) Phenanthrene-d10	17.303	188	2913917	20.000	ng		0.00
76) Chrysene-d12	21.503	240	2249501	20.000	ng		0.00
86) Perylene-d12	23.897	264	2500805	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.481	112	3794404	91.830	ng		0.00
7) Phenol-d6	7.081	99	4980061	94.726	ng		0.00
23) Nitrobenzene-d5	9.080	82	3393552	68.976	ng		0.00
42) 2,4,6-Tribromophenol	16.045	330	1535122	93.594	ng		0.00
45) 2-Fluorobiphenyl	13.180	172	6970858	64.943	ng		0.00
79) Terphenyl-d14	19.944	244	8330043	64.916	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.387	88	117806	7.184	ng		99
3) Pyridine	3.787	79	264713	6.114	ng		98
4) n-Nitrosodimethylamine	3.704	42	113247	6.894	ng	#	93
6) Aniline	7.245	93	430075	8.320	ng		100
8) 2-Chlorophenol	7.469	128	304302	7.052	ng		99
9) Benzaldehyde	7.057	77	269170m	9.963	ng		
10) Phenol	7.104	94	380425	7.170	ng		98
11) bis(2-Chloroethyl)ether	7.345	93	318856	7.257	ng		98
12) 1,3-Dichlorobenzene	7.792	146	337841	6.896	ng		99
13) 1,4-Dichlorobenzene	7.945	146	349807	7.084	ng		99
14) 1,2-Dichlorobenzene	8.257	146	330154	7.016	ng		98
15) Benzyl Alcohol	8.151	79	253302	7.400	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.445	45	411737	7.392	ng		100
17) 2-Methylphenol	8.351	107	247247	7.099	ng		97
18) Hexachloroethane	8.980	117	127301	6.885	ng		98
19) n-Nitroso-di-n-propyla...	8.722	70	243304	7.537	ng		99
20) 3+4-Methylphenols	8.680	107	327957	6.841	ng		99
22) Acetophenone	8.739	105	484297	7.308	ng	#	98
24) Nitrobenzene	9.122	77	353924	7.025	ng		99
25) Isophorone	9.639	82	654051	6.904	ng		98
26) 2-Nitrophenol	9.827	139	149223	6.388	ng		98
27) 2,4-Dimethylphenol	9.886	122	214801	7.192	ng		99
28) bis(2-Chloroethoxy)met...	10.133	93	432937	7.066	ng		99
29) 2,4-Dichlorophenol	10.357	162	262655	6.679	ng		98
30) 1,2,4-Trichlorobenzene	10.569	180	299173	6.766	ng		99
31) Naphthalene	10.757	128	993409	6.894	ng		99
32) Benzoic acid	9.969	122	123285	4.098	ng		97
33) 4-Chloroaniline	10.880	127	396829	7.273	ng		99
34) Hexachlorobutadiene	11.033	225	166490	6.578	ng		99
35) Caprolactam	11.651	113	79129	6.253	ng		99
36) 4-Chloro-3-methylphenol	11.998	107	280848	6.596	ng		100
37) 2-Methylnaphthalene	12.374	142	656203	6.837	ng		96
38) 1-Methylnaphthalene	12.592	142	639804	6.784	ng		99
40) 1,2,4,5-Tetrachloroben...	12.733	216	311924	7.084	ng		99
41) Hexachlorocyclopentadiene	12.710	237	131653	6.851	ng		99
43) 2,4,6-Trichlorophenol	12.980	196	193480	6.457	ng		100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.045	196	214377	6.519	ng	99
46) 1,1'-Biphenyl	13.386	154	870764	7.285	ng	99
47) 2-Chloronaphthalene	13.427	162	651469	6.880	ng	100
48) 2-Nitroaniline	13.639	65	171696	6.445	ng	93
49) Acenaphthylene	14.274	152	1058202	7.491	ng	99
50) Dimethylphthalate	14.021	163	782974	6.971	ng	99
51) 2,6-Dinitrotoluene	14.139	165	154644	6.241	ng	93
52) Acenaphthene	14.615	154	606274	6.934	ng	100
53) 3-Nitroaniline	14.468	138	169367	6.360	ng	94
54) 2,4-Dinitrophenol	14.668	184	59155	9.287	ng	94
55) Dibenzofuran	14.951	168	974070	7.198	ng	100
56) 4-Nitrophenol	14.768	139	124942	5.771	ng	97
57) 2,4-Dinitrotoluene	14.921	165	195685	6.042	ng	97
58) Fluorene	15.598	166	759898	7.267	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.174	232	177971	6.897	ng	99
60) Diethylphthalate	15.386	149	776817	6.692	ng	99
61) 4-Chlorophenyl-phenyle...	15.604	204	365646	7.217	ng	99
62) 4-Nitroaniline	15.627	138	165246	6.164	ng	98
63) Azobenzene	15.892	77	757690	6.957	ng	98
65) 4,6-Dinitro-2-methylph...	15.680	198	88223	5.081	ng	98
66) n-Nitrosodiphenylamine	15.815	169	639440	7.223	ng	100
67) 4-Bromophenyl-phenylether	16.498	248	178236	6.187	ng	97
68) Hexachlorobenzene	16.592	284	239347	6.782	ng	98
69) Atrazine	16.774	200	199940	8.341	ng	100
70) Pentachlorophenol	16.945	266	124515	5.424	ng	98
71) Phenanthrene	17.345	178	1121320	7.287	ng	100
72) Anthracene	17.433	178	1078694	7.081	ng	99
73) Carbazole	17.709	167	1022871	6.904	ng	100
74) Di-n-butylphthalate	18.292	149	1231674	6.396	ng	100
75) Fluoranthene	19.362	202	1152205	6.666	ng	99
77) Benzidine	19.562	184	419162	11.990	ng	99
78) Pyrene	19.727	202	1208461	6.975	ng	100
80) Butylbenzylphthalate	20.650	149	461701	5.995	ng	97
81) Benzo(a)anthracene	21.486	228	1091759	6.977	ng	100
82) 3,3'-Dichlorobenzidine	21.427	252	374571	7.296	ng	98
83) Chrysene	21.538	228	1015859	6.872	ng	99
84) Bis(2-ethylhexyl)phtha...	21.433	149	709593	6.245	ng	99
85) Di-n-octyl phthalate	22.374	149	1119053	5.639	ng	99
87) Indeno(1,2,3-cd)pyrene	26.373	276	1210970	6.842	ng	100
88) Benzo(b)fluoranthene	23.168	252	1061110	6.788	ng	99
89) Benzo(k)fluoranthene	23.215	252	1003932	6.758	ng	98
90) Benzo(a)pyrene	23.785	252	902193	6.607	ng	100
91) Dibenzo(a,h)anthracene	26.403	278	1032688	6.975	ng	99
92) Benzo(g,h,i)perylene	27.132	276	979961	6.527	ng	98

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

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