Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020924\
Data File : BM044034.D
Acq On : 09 Feb 2024 11:53
Operator : MA/JU
Sample : 03572-01
Misc : LOD-MDL-SOIL-8ppm
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

Quant Time: Feb 09 12:22:10 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	491317	20.000	ng		0.00
21) Naphthalene-d8	10.710	136	2149777	20.000	ng		0.00
39) Acenaphthene-d10	14.551	164	1268335	20.000	ng		0.00
64) Phenanthrene-d10	17.304	188	2501626	20.000	ng		0.00
76) Chrysene-d12	21.503	240	1956563	20.000	ng		0.00
86) Perylene-d12	23.897	264	2131650	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.481	112	3177501	94.063	ng		0.00
7) Phenol-d6	7.081	99	4146630	96.477	ng		0.00
23) Nitrobenzene-d5	9.081	82	2801421	69.148	ng		0.00
42) 2,4,6-Tribromophenol	16.045	330	1337148	97.370	ng		0.00
45) 2-Fluorobiphenyl	13.180	172	5906594	65.725	ng		0.00
79) Terphenyl-d14	19.945	244	7428428	66.557	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.387	88	97256	7.254	ng		97
3) Pyridine	3.787	79	215907	6.100	ng		99
4) n-Nitrosodimethylamine	3.710	42	93547	6.966	ng	#	95
6) Aniline	7.239	93	357001	8.448	ng		98
8) 2-Chlorophenol	7.469	128	252640	7.162	ng		97
9) Benzaldehyde	7.057	77	222998m	10.096	ng		
10) Phenol	7.104	94	313722	7.232	ng		98
11) bis(2-Chloroethyl)ether	7.345	93	258603	7.199	ng		100
12) 1,3-Dichlorobenzene	7.792	146	277384	6.926	ng		99
13) 1,4-Dichlorobenzene	7.945	146	282893	7.007	ng		99
14) 1,2-Dichlorobenzene	8.257	146	269551	7.007	ng		100
15) Benzyl Alcohol	8.151	79	207694	7.422	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.445	45	334638	7.349	ng		98
17) 2-Methylphenol	8.351	107	200378	7.037	ng		97
18) Hexachloroethane	8.981	117	102477	6.779	ng		99
19) n-Nitroso-di-n-propyla...	8.722	70	196089	7.430	ng		99
20) 3+4-Methylphenols	8.681	107	272742	6.959	ng		98
22) Acetophenone	8.739	105	398452	7.302	ng	#	98
24) Nitrobenzene	9.122	77	294026	7.087	ng		99
25) Isophorone	9.639	82	537992	6.896	ng		98
26) 2-Nitrophenol	9.828	139	119537	6.215	ng		100
27) 2,4-Dimethylphenol	9.886	122	175714	7.144	ng		99
28) bis(2-Chloroethoxy)met...	10.133	93	356149	7.059	ng		98
29) 2,4-Dichlorophenol	10.357	162	211783	6.540	ng		99
30) 1,2,4-Trichlorobenzene	10.569	180	242438	6.658	ng		98
31) Naphthalene	10.763	128	820470	6.915	ng		99
32) Benzoic acid	9.963	122	93025	3.755	ng		99
33) 4-Chloroaniline	10.880	127	325729	7.250	ng		98
34) Hexachlorobutadiene	11.033	225	133509	6.406	ng		98
35) Caprolactam	11.651	113	63399	6.084	ng		95
36) 4-Chloro-3-methylphenol	11.998	107	232670	6.636	ng		99
37) 2-Methylnaphthalene	12.374	142	538906	6.819	ng		97
38) 1-Methylnaphthalene	12.592	142	529524	6.818	ng		99
40) 1,2,4,5-Tetrachloroben...	12.733	216	257175	6.976	ng		99
41) Hexachlorocyclopentadiene	12.710	237	110272	6.854	ng		96
43) 2,4,6-Trichlorophenol	12.980	196	158675	6.324	ng		99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.045	196	174193	6.327	ng	97
46) 1,1'-Biphenyl	13.386	154	723746	7.232	ng	100
47) 2-Chloronaphthalene	13.427	162	542969	6.849	ng	99
48) 2-Nitroaniline	13.639	65	141507	6.345	ng	93
49) Acenaphthylene	14.274	152	878109	7.424	ng	99
50) Dimethylphthalate	14.021	163	659778	7.016	ng	99
51) 2,6-Dinitrotoluene	14.139	165	131237	6.325	ng	94
52) Acenaphthene	14.615	154	505825	6.910	ng	99
53) 3-Nitroaniline	14.468	138	141868	6.362	ng	96
54) 2,4-Dinitrophenol	14.668	184	48441	9.205	ng	97
55) Dibenzofuran	14.951	168	817687	7.217	ng	99
56) 4-Nitrophenol	14.768	139	103307	5.699	ng	94
57) 2,4-Dinitrotoluene	14.921	165	164788	6.077	ng	98
58) Fluorene	15.598	166	644060	7.357	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.174	232	149344	6.913	ng	99
60) Diethylphthalate	15.386	149	654259	6.732	ng	100
61) 4-Chlorophenyl-phenyle...	15.604	204	308242	7.266	ng	99
62) 4-Nitroaniline	15.627	138	133485	5.947	ng	97
63) Azobenzene	15.892	77	630763	6.918	ng	98
65) 4,6-Dinitro-2-methylph...	15.680	198	72309	4.851	ng	98
66) n-Nitrosodiphenylamine	15.815	169	533599	7.021	ng	99
67) 4-Bromophenyl-phenylether	16.498	248	161826	6.543	ng	98
68) Hexachlorobenzene	16.592	284	204488	6.749	ng	100
69) Atrazine	16.774	200	173020	8.407	ng	99
70) Pentachlorophenol	16.945	266	101547	5.152	ng	98
71) Phenanthrene	17.345	178	946863	7.168	ng	100
72) Anthracene	17.433	178	922235	7.052	ng	99
73) Carbazole	17.709	167	870906	6.847	ng	100
74) Di-n-butylphthalate	18.292	149	1049985	6.351	ng	99
75) Fluoranthene	19.362	202	991454	6.681	ng	99
77) Benzidine	19.562	184	320264	10.533	ng	99
78) Pyrene	19.727	202	1040809	6.907	ng	99
80) Butylbenzylphthalate	20.650	149	396816	5.924	ng	98
81) Benzo(a)anthracene	21.486	228	951170	6.989	ng	99
82) 3,3'-Dichlorobenzidine	21.427	252	321417	7.198	ng	99
83) Chrysene	21.539	228	867791	6.749	ng	100
84) Bis(2-ethylhexyl)phtha...	21.433	149	617554	6.249	ng	98
85) Di-n-octyl phthalate	22.374	149	944865	5.474	ng	98
87) Indeno(1,2,3-cd)pyrene	26.374	276	1006983	6.674	ng	100
88) Benzo(b)fluoranthene	23.168	252	914828	6.865	ng	99
89) Benzo(k)fluoranthene	23.215	252	851895	6.728	ng	99
90) Benzo(a)pyrene	23.785	252	760303	6.532	ng	99
91) Dibenzo(a,h)anthracene	26.403	278	854858	6.774	ng	99
92) Benzo(g,h,i)perylene	27.132	276	812249	6.346	ng	99

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

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