Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020924\
Data File : BM044042.D
Acq On : 09 Feb 2024 16:42
Operator : MA/JU
Sample : P1187-01
Misc : LOD-MDL-SOIL-8ppm
ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Feb 09 17:12:01 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	599812	20.000	ng		0.00
21) Naphthalene-d8	10.710	136	2532633	20.000	ng		0.00
39) Acenaphthene-d10	14.551	164	1484142	20.000	ng		0.00
64) Phenanthrene-d10	17.304	188	2922094	20.000	ng		0.00
76) Chrysene-d12	21.503	240	2350765	20.000	ng		0.00
86) Perylene-d12	23.897	264	2534360	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.481	112	3320920	80.526	ng		0.00
7) Phenol-d6	7.075	99	4329264	82.506	ng		0.00
23) Nitrobenzene-d5	9.081	82	2887397	60.497	ng		0.00
42) 2,4,6-Tribromophenol	16.045	330	1322181	82.280	ng		0.00
45) 2-Fluorobiphenyl	13.180	172	6158912	58.567	ng		0.00
79) Terphenyl-d14	19.945	244	7824071	58.346	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.387	88	101258	6.187	ng		98
3) Pyridine	3.787	79	237292	5.492	ng		98
4) n-Nitrosodimethylamine	3.710	42	99493	6.069	ng	#	98
6) Aniline	7.239	93	369057	7.153	ng		96
8) 2-Chlorophenol	7.469	128	262461	6.094	ng		99
9) Benzaldehyde	7.057	77	230327m	8.542	ng		
10) Phenol	7.098	94	327482	6.184	ng		96
11) bis(2-Chloroethyl)ether	7.345	93	268049	6.112	ng		99
12) 1,3-Dichlorobenzene	7.792	146	291136	5.954	ng		98
13) 1,4-Dichlorobenzene	7.945	146	295736	6.000	ng		99
14) 1,2-Dichlorobenzene	8.257	146	281445	5.993	ng		97
15) Benzyl Alcohol	8.151	79	213892	6.261	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.451	45	352158	6.335	ng		99
17) 2-Methylphenol	8.351	107	204444	5.881	ng		99
18) Hexachloroethane	8.981	117	109924	5.957	ng		99
19) n-Nitroso-di-n-propyla...	8.722	70	206321	6.403	ng		99
20) 3+4-Methylphenols	8.681	107	280010	5.853	ng		99
22) Acetophenone	8.739	105	415986	6.471	ng	#	99
24) Nitrobenzene	9.122	77	303140	6.202	ng		99
25) Isophorone	9.639	82	549327	5.977	ng		100
26) 2-Nitrophenol	9.828	139	124637	5.500	ng		98
27) 2,4-Dimethylphenol	9.886	122	188035	6.490	ng		99
28) bis(2-Chloroethoxy)met...	10.133	93	368441	6.199	ng		99
29) 2,4-Dichlorophenol	10.357	162	224376	5.882	ng		98
30) 1,2,4-Trichlorobenzene	10.569	180	252660	5.890	ng		100
31) Naphthalene	10.757	128	845872	6.051	ng		98
32) Benzoic acid	9.963	122	100576	3.446	ng		95
33) 4-Chloroaniline	10.880	127	335784	6.344	ng		99
34) Hexachlorobutadiene	11.033	225	140738	5.732	ng		98
35) Caprolactam	11.651	113	67613	5.508	ng		95
36) 4-Chloro-3-methylphenol	11.998	107	237867	5.758	ng		99
37) 2-Methylnaphthalene	12.374	142	555181	5.963	ng		96
38) 1-Methylnaphthalene	12.592	142	546125	5.969	ng		100
40) 1,2,4,5-Tetrachloroben...	12.733	216	266028	6.167	ng		99
41) Hexachlorocyclopentadiene	12.710	237	115319	6.125	ng		99
43) 2,4,6-Trichlorophenol	12.980	196	163083	5.555	ng		98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.045	196	176945	5.492	ng	94
46) 1,1'-Biphenyl	13.386	154	744853	6.360	ng	99
47) 2-Chloronaphthalene	13.427	162	559237	6.028	ng	99
48) 2-Nitroaniline	13.639	65	148471	5.689	ng	90
49) Acenaphthylene	14.274	152	917309	6.628	ng	100
50) Dimethylphthalate	14.015	163	678006	6.161	ng	99
51) 2,6-Dinitrotoluene	14.139	165	133314	5.491	ng	90
52) Acenaphthene	14.615	154	517277	6.039	ng	99
53) 3-Nitroaniline	14.468	138	145913	5.592	ng	99
54) 2,4-Dinitrophenol	14.668	184	49939	8.775	ng	96
55) Dibenzofuran	14.951	168	851951	6.426	ng	98
56) 4-Nitrophenol	14.763	139	106437	5.018	ng	98
57) 2,4-Dinitrotoluene	14.921	165	167936	5.292	ng	93
58) Fluorene	15.598	166	662949	6.471	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.174	232	154349	6.105	ng	99
60) Diethylphthalate	15.386	149	678003	5.962	ng	99
61) 4-Chlorophenyl-phenyle...	15.604	204	320280	6.452	ng	100
62) 4-Nitroaniline	15.627	138	139772	5.322	ng	98
63) Azobenzene	15.892	77	661154	6.197	ng	98
65) 4,6-Dinitro-2-methylph...	15.680	198	73765	4.236	ng	92
66) n-Nitrosodiphenylamine	15.815	169	557144	6.276	ng	99
67) 4-Bromophenyl-phenylether	16.498	248	140981	4.880	ng	99
68) Hexachlorobenzene	16.592	284	210608	5.951	ng	98
69) Atrazine	16.774	200	180481	7.508	ng	99
70) Pentachlorophenol	16.945	266	105717	4.592	ng	99
71) Phenanthrene	17.345	178	998912	6.474	ng	100
72) Anthracene	17.433	178	970126	6.351	ng	99
73) Carbazole	17.709	167	902831	6.077	ng	100
74) Di-n-butylphthalate	18.292	149	1100578	5.699	ng	100
75) Fluoranthene	19.362	202	1047253	6.042	ng	99
77) Benzidine	19.562	184	429887	11.767	ng	99
78) Pyrene	19.727	202	1096272	6.055	ng	99
80) Butylbenzylphthalate	20.650	149	415982	5.169	ng	98
81) Benzo(a)anthracene	21.486	228	1008470	6.167	ng	99
82) 3,3'-Dichlorobenzidine	21.427	252	335099	6.246	ng	98
83) Chrysene	21.539	228	925701	5.992	ng	99
84) Bis(2-ethylhexyl)phtha...	21.433	149	646083	5.441	ng	99
85) Di-n-octyl phthalate	22.374	149	1000632	4.825	ng	98
87) Indeno(1,2,3-cd)pyrene	26.379	276	1033523	5.762	ng	100
88) Benzo(b)fluoranthene	23.168	252	937944	5.920	ng	100
89) Benzo(k)fluoranthene	23.215	252	894408	5.941	ng	100
90) Benzo(a)pyrene	23.785	252	797265	5.761	ng	99
91) Dibenzo(a,h)anthracene	26.403	278	880433	5.868	ng	99
92) Benzo(g,h,i)perylene	27.132	276	842585	5.537	ng	100

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

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