Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020924\
Data File : BM044033.D
Acq On : 09 Feb 2024 11:17
Operator : MA/JU
Sample : 03572-01
Misc : LOD-MDL-SOIL-4ppm
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Feb 09 12:15:38 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	400606	20.000	ng		0.00
21) Naphthalene-d8	10.710	136	1677295	20.000	ng		0.00
39) Acenaphthene-d10	14.551	164	978241	20.000	ng		0.00
64) Phenanthrene-d10	17.304	188	1962163	20.000	ng		0.00
76) Chrysene-d12	21.497	240	1613045	20.000	ng		0.00
86) Perylene-d12	23.891	264	1745554	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.481	112	3567881	129.535	ng		0.00
7) Phenol-d6	7.075	99	4474267	127.671	ng		0.00
23) Nitrobenzene-d5	9.081	82	2546248	80.554	ng		0.00
42) 2,4,6-Tribromophenol	16.045	330	1457448	137.603	ng		0.00
45) 2-Fluorobiphenyl	13.180	172	5492620	79.243	ng		0.00
79) Terphenyl-d14	19.945	244	7152267	77.730	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.387	88	45802	4.190	ng		96
3) Pyridine	3.793	79	95039	3.293	ng	#	95
4) n-Nitrosodimethylamine	3.710	42	41119	3.755	ng	#	93
6) Aniline	7.239	93	146173	4.242	ng		97
8) 2-Chlorophenol	7.469	128	102962	3.580	ng		100
9) Benzaldehyde	7.057	77	99585m	5.530	ng		
10) Phenol	7.104	94	137529	3.888	ng		97
11) bis(2-Chloroethyl)ether	7.345	93	115782	3.953	ng		98
12) 1,3-Dichlorobenzene	7.792	146	122226	3.743	ng		98
13) 1,4-Dichlorobenzene	7.945	146	127927	3.886	ng		99
14) 1,2-Dichlorobenzene	8.257	146	120324	3.836	ng		99
15) Benzyl Alcohol	8.151	79	87474	3.833	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.445	45	145865	3.929	ng		98
17) 2-Methylphenol	8.351	107	83875	3.613	ng		96
18) Hexachloroethane	8.981	117	46074	3.738	ng		95
19) n-Nitroso-di-n-propyla...	8.722	70	83639	3.887	ng		98
20) 3+4-Methylphenols	8.681	107	109105	3.414	ng		96
22) Acetophenone	8.739	105	170832	4.013	ng	#	98
24) Nitrobenzene	9.116	77	128137	3.959	ng		97
25) Isophorone	9.645	82	217627	3.576	ng		98
26) 2-Nitrophenol	9.828	139	47260	3.149	ng		98
27) 2,4-Dimethylphenol	9.886	122	77472	4.037	ng		98
28) bis(2-Chloroethoxy)met...	10.133	93	149490	3.798	ng		99
29) 2,4-Dichlorophenol	10.357	162	85255	3.375	ng		98
30) 1,2,4-Trichlorobenzene	10.569	180	106374	3.744	ng		99
31) Naphthalene	10.763	128	354617	3.831	ng		98
33) 4-Chloroaniline	10.880	127	132568	3.782	ng		98
34) Hexachlorobutadiene	11.033	225	59522	3.660	ng		98
35) Caprolactam	11.651	113	24253	2.983	ng		96
36) 4-Chloro-3-methylphenol	11.998	107	89208	3.261	ng		97
37) 2-Methylnaphthalene	12.374	142	228849	3.711	ng		98
38) 1-Methylnaphthalene	12.592	142	224498	3.705	ng		100
40) 1,2,4,5-Tetrachloroben...	12.733	216	110663	3.892	ng		99
41) Hexachlorocyclopentadiene	12.710	237	46430	3.742	ng		98
43) 2,4,6-Trichlorophenol	12.980	196	62219	3.215	ng		98
44) 2,4,5-Trichlorophenol	13.051	196	68387	3.220	ng		98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.386	154	303069	3.926	ng	99
47) 2-Chloronaphthalene	13.427	162	229926	3.760	ng	98
48) 2-Nitroaniline	13.639	65	54291	3.156	ng	90
49) Acenaphthylene	14.274	152	364625	3.997	ng	100
50) Dimethylphthalate	14.015	163	275171	3.794	ng	100
51) 2,6-Dinitrotoluene	14.139	165	50043	3.127	ng	88
52) Acenaphthene	14.615	154	215213	3.812	ng	99
53) 3-Nitroaniline	14.468	138	52738	3.067	ng	92
54) 2,4-Dinitrophenol	14.668	184	15061	7.046	ng	94
55) Dibenzofuran	14.951	168	351001	4.017	ng	99
56) 4-Nitrophenol	14.768	139	33867	2.423	ng	98
57) 2,4-Dinitrotoluene	14.921	165	61564	2.944	ng	92
58) Fluorene	15.598	166	270374	4.004	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.174	232	57786	3.468	ng	97
60) Diethylphthalate	15.386	149	270057	3.603	ng	100
61) 4-Chlorophenyl-phenyle...	15.604	204	131656	4.024	ng	99
62) 4-Nitroaniline	15.627	138	47823	2.763	ng	96
63) Azobenzene	15.898	77	251737	3.580	ng	99
65) 4,6-Dinitro-2-methylph...	15.680	198	24141	2.065	ng	94
66) n-Nitrosodiphenylamine	15.815	169	222127	3.726	ng	99
67) 4-Bromophenyl-phenylether	16.498	248	70660	3.642	ng	99
68) Hexachlorobenzene	16.592	284	88136	3.709	ng	99
69) Atrazine	16.774	200	70482	4.366	ng	98
70) Pentachlorophenol	16.945	266	39730	2.570	ng	100
71) Phenanthrene	17.345	178	416904	4.024	ng	100
72) Anthracene	17.433	178	384529	3.749	ng	98
73) Carbazole	17.709	167	362233	3.631	ng	100
74) Di-n-butylphthalate	18.292	149	415351	3.203	ng	99
75) Fluoranthene	19.362	202	425974	3.660	ng	99
78) Pyrene	19.727	202	444391	3.577	ng	99
80) Butylbenzylphthalate	20.650	149	155051	2.808	ng	97
81) Benzo(a)anthracene	21.486	228	417857	3.724	ng	99
82) 3,3'-Dichlorobenzidine	21.427	252	127731	3.470	ng	98
83) Chrysene	21.539	228	395909	3.735	ng	98
84) Bis(2-ethylhexyl)phtha...	21.433	149	259165	3.181	ng	99
85) Di-n-octyl phthalate	22.374	149	363659	2.556	ng	97
87) Indeno(1,2,3-cd)pyrene	26.374	276	440975	3.569	ng	99
88) Benzo(b)fluoranthene	23.162	252	403345	3.696	ng	100
89) Benzo(k)fluoranthene	23.215	252	380058	3.666	ng	99
90) Benzo(a)pyrene	23.785	252	329358	3.456	ng	98
91) Dibenzo(a,h)anthracene	26.403	278	370495	3.585	ng	99
92) Benzo(g,h,i)perylene	27.132	276	359956	3.435	ng	98

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

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