Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020924\
Data File : BM044037.D
Acq On : 09 Feb 2024 13:41
Operator : MA/JU
Sample : 04699-01
Misc : LOD-MDL-SOIL-4ppm
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Feb 09 14:09:58 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	465263	20.000	ng		0.00
21) Naphthalene-d8	10.710	136	2012692	20.000	ng		0.00
39) Acenaphthene-d10	14.551	164	1174068	20.000	ng		0.00
64) Phenanthrene-d10	17.303	188	2282572	20.000	ng		0.00
76) Chrysene-d12	21.497	240	1843344	20.000	ng		0.00
86) Perylene-d12	23.897	264	2046571	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.481	112	4085747	127.722	ng		0.00
7) Phenol-d6	7.081	99	5222604	128.315	ng		0.00
23) Nitrobenzene-d5	9.080	82	3033455	79.976	ng		0.00
42) 2,4,6-Tribromophenol	16.045	330	1668939	131.289	ng		0.00
45) 2-Fluorobiphenyl	13.180	172	6441135	77.427	ng		0.00
79) Terphenyl-d14	19.944	244	7930389	75.419	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.387	88	52219	4.113	ng		99
3) Pyridine	3.793	79	117922	3.518	ng		96
4) n-Nitrosodimethylamine	3.710	42	44802	3.523	ng	#	97
6) Aniline	7.239	93	185485	4.635	ng		97
8) 2-Chlorophenol	7.469	128	124202	3.718	ng		99
9) Benzaldehyde	7.057	77	119195m	5.699	ng		
10) Phenol	7.104	94	163774	3.987	ng		98
11) bis(2-Chloroethyl)ether	7.345	93	132782	3.903	ng		97
12) 1,3-Dichlorobenzene	7.792	146	145774	3.843	ng		99
13) 1,4-Dichlorobenzene	7.945	146	147460	3.857	ng		99
14) 1,2-Dichlorobenzene	8.257	146	141516	3.885	ng		99
15) Benzyl Alcohol	8.151	79	105476	3.980	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.451	45	175300	4.065	ng		97
17) 2-Methylphenol	8.351	107	100345	3.721	ng		96
18) Hexachloroethane	8.980	117	53522	3.739	ng		97
19) n-Nitroso-di-n-propyla...	8.722	70	100516	4.022	ng		97
20) 3+4-Methylphenols	8.681	107	133964	3.610	ng		99
22) Acetophenone	8.739	105	205621	4.025	ng	#	98
24) Nitrobenzene	9.122	77	152230	3.919	ng		98
25) Isophorone	9.645	82	269328	3.688	ng		100
26) 2-Nitrophenol	9.827	139	56212	3.121	ng		96
27) 2,4-Dimethylphenol	9.886	122	93831	4.075	ng		99
28) bis(2-Chloroethoxy)met...	10.133	93	181877	3.851	ng		98
29) 2,4-Dichlorophenol	10.357	162	104418	3.444	ng		97
30) 1,2,4-Trichlorobenzene	10.574	180	125956	3.695	ng		99
31) Naphthalene	10.763	128	420759	3.788	ng		99
33) 4-Chloroaniline	10.880	127	164006	3.899	ng		99
34) Hexachlorobutadiene	11.033	225	70584	3.617	ng		98
35) Caprolactam	11.651	113	29571	3.031	ng		95
36) 4-Chloro-3-methylphenol	11.998	107	110662	3.371	ng		98
37) 2-Methylnaphthalene	12.374	142	275344	3.721	ng		97
38) 1-Methylnaphthalene	12.592	142	270770	3.724	ng		99
40) 1,2,4,5-Tetrachloroben...	12.733	216	133047	3.899	ng		98
41) Hexachlorocyclopentadiene	12.710	237	56561	3.798	ng		96
43) 2,4,6-Trichlorophenol	12.980	196	74292	3.199	ng		96
44) 2,4,5-Trichlorophenol	13.051	196	81313	3.190	ng		96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.386	154	368474	3.977	ng	99
47) 2-Chloronaphthalene	13.427	162	277256	3.778	ng	99
48) 2-Nitroaniline	13.639	65	64678	3.133	ng	93
49) Acenaphthylene	14.274	152	437384	3.995	ng	99
50) Dimethylphthalate	14.021	163	329346	3.783	ng	99
51) 2,6-Dinitrotoluene	14.139	165	62227	3.240	ng	91
52) Acenaphthene	14.615	154	256920	3.792	ng	99
53) 3-Nitroaniline	14.468	138	63027	3.054	ng	88
54) 2,4-Dinitrophenol	14.668	184	18958	7.117	ng	97
55) Dibenzofuran	14.951	168	422770	4.031	ng	98
56) 4-Nitrophenol	14.768	139	44580	2.657	ng	90
57) 2,4-Dinitrotoluene	14.921	165	73616	2.933	ng	91
58) Fluorene	15.598	166	323836	3.996	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.174	232	72999	3.650	ng	97
60) Diethylphthalate	15.386	149	322999	3.590	ng	99
61) 4-Chlorophenyl-phenyle...	15.604	204	158680	4.041	ng	99
62) 4-Nitroaniline	15.627	138	58018	2.792	ng	96
63) Azobenzene	15.898	77	303027	3.590	ng	98
65) 4,6-Dinitro-2-methylph...	15.680	198	29857	2.195	ng	89
66) n-Nitrosodiphenylamine	15.815	169	266556	3.844	ng	99
67) 4-Bromophenyl-phenylether	16.498	248	77617	3.439	ng	99
68) Hexachlorobenzene	16.592	284	103833	3.756	ng	98
69) Atrazine	16.774	200	82436	4.390	ng	97
70) Pentachlorophenol	16.945	266	45915	2.553	ng	98
71) Phenanthrene	17.345	178	484847	4.022	ng	100
72) Anthracene	17.433	178	456818	3.828	ng	99
73) Carbazole	17.709	167	418047	3.602	ng	98
74) Di-n-butylphthalate	18.292	149	495592	3.285	ng	98
75) Fluoranthene	19.362	202	493723	3.646	ng	99
77) Benzidine	19.562	184	140093	4.890	ng	97
78) Pyrene	19.727	202	515956	3.634	ng	100
80) Butylbenzylphthalate	20.650	149	181295	2.873	ng	98
81) Benzo(a)anthracene	21.486	228	484974	3.782	ng	99
82) 3,3'-Dichlorobenzidine	21.427	252	155223	3.690	ng	98
83) Chrysene	21.538	228	458399	3.784	ng	99
84) Bis(2-ethylhexyl)phtha...	21.433	149	306639	3.293	ng	99
85) Di-n-octyl phthalate	22.374	149	443975	2.730	ng	98
87) Indeno(1,2,3-cd)pyrene	26.373	276	518534	3.580	ng	100
88) Benzo(b)fluoranthene	23.168	252	472299	3.692	ng	98
89) Benzo(k)fluoranthene	23.215	252	441737	3.634	ng	99
90) Benzo(a)pyrene	23.785	252	386138	3.456	ng	99
91) Dibenzo(a,h)anthracene	26.403	278	441775	3.646	ng	99
92) Benzo(g,h,i)perylene	27.132	276	420955	3.426	ng	100

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

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