Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM022422\
Data File : BM034072.D
Acq On : 24 Feb 2022 18:04
Operator : CG/JU
Sample : N1650-02MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SW-SURFICIAL-SOIL-(SW-SS)MS

Quant Time: Feb 25 01:11:05 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 22 17:55:56 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.013	152	159574	20.000	ng		-0.01
21) Naphthalene-d8	10.830	136	585568	20.000	ng	#	0.00
39) Acenaphthene-d10	14.648	164	363613	20.000	ng		0.00
64) Phenanthrene-d10	17.389	188	726646	20.000	ng	#	0.00
76) Chrysene-d12	21.559	240	685102	20.000	ng	#	0.00
86) Perylene-d12	24.018	264	709202	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.566	112	1179937	131.812	ng		0.00
7) Phenol-d6	7.166	99	1325839	112.791	ng		0.00
23) Nitrobenzene-d5	9.178	82	1004639	92.587	ng		0.00
42) 2,4,6-Tribromophenol	16.130	330	692709	156.967	ng		0.00
45) 2-Fluorobiphenyl	13.277	172	2587307	94.800	ng		-0.01
79) Terphenyl-d14	20.006	244	3828470	97.309	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.437	88	147506	42.859	ng	#	47
3) Pyridine	3.843	79	262044	27.102	ng		90
4) n-Nitrosodimethylamine	3.743	42	243342	50.315	ng		84
6) Aniline	7.331	93	152522	11.743	ng		93
8) 2-Chlorophenol	7.578	128	508115	50.737	ng	#	81
9) Benzaldehyde	7.142	77	199367	30.212	ng		88
10) Phenol	7.195	94	505171	43.692	ng		93
11) bis(2-Chloroethyl)ether	7.431	93	427387	46.327	ng		87
12) 1,3-Dichlorobenzene	7.901	146	603449	51.262	ng	#	93
13) 1,4-Dichlorobenzene	8.048	146	611218	50.799	ng		93
14) 1,2-Dichlorobenzene	8.372	146	581851	49.548	ng		95
15) Benzyl Alcohol	8.248	79	420556	46.397	ng		94
16) 2,2'-oxybis(1-Chloropr...	8.548	45	503361	41.035	ng		91
17) 2-Methylphenol	8.454	107	383615	47.105	ng		96
18) Hexachloroethane	9.107	117	212135	51.516	ng	#	88
19) n-Nitroso-di-n-propyla...	8.825	70	339901	44.737	ng	#	92
20) 3+4-Methylphenols	8.783	107	501482	44.596	ng		95
22) Acetophenone	8.836	105	719636	50.879	ng	#	92
24) Nitrobenzene	9.219	77	525056	51.977	ng	#	87
25) Isophorone	9.748	82	887774	50.687	ng	#	92
26) 2-Nitrophenol	9.930	139	274489	57.670	ng	#	80
27) 2,4-Dimethylphenol	9.995	122	448423	58.314	ng		93
28) bis(2-Chloroethoxy)met...	10.230	93	541398	45.714	ng		97
29) 2,4-Dichlorophenol	10.472	162	502622	52.864	ng		94
30) 1,2,4-Trichlorobenzene	10.695	180	577681	51.755	ng		96
31) Naphthalene	10.877	128	1530446	50.871	ng		99
32) Benzoic acid	10.113	122	291533	50.059	ng	#	83
33) 4-Chloroaniline	10.983	127	89534	7.268	ng	#	89
34) Hexachlorobutadiene	11.177	225	376740	53.122	ng		97
35) Caprolactam	11.754	113	111894	58.381	ng	#	58
36) 4-Chloro-3-methylphenol	12.101	107	460450	49.183	ng	#	84
37) 2-Methylnaphthalene	12.483	142	1118799	50.972	ng		96
38) 1-Methylnaphthalene	12.701	142	1046571	48.903	ng		98
40) 1,2,4,5-Tetrachloroben...	12.854	216	659541	56.735	ng		98
41) Hexachlorocyclopentadiene	12.842	237	908776	133.824	ng		98
43) 2,4,6-Trichlorophenol	13.083	196	420352	57.181	ng		98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.154	196	450289	60.296	ng	#	90
46) 1,1'-Biphenyl	13.489	154	1471664	52.973	ng		96
47) 2-Chloronaphthalene	13.530	162	1146193	52.837	ng		94
48) 2-Nitroaniline	13.718	65	284358	55.196	ng	#	76
49) Acenaphthylene	14.371	152	1773190	54.542	ng		99
50) Dimethylphthalate	14.107	163	1387965	51.487	ng		98
51) 2,6-Dinitrotoluene	14.213	165	300384	56.312	ng		85
52) Acenaphthene	14.713	154	1270163	59.127	ng		99
53) 3-Nitroaniline	14.536	138	148071	27.752	ng	#	76
54) 2,4-Dinitrophenol	14.742	184	371510	122.702	ng	#	80
55) Dibenzofuran	15.048	168	1697263	50.581	ng		98
56) 4-Nitrophenol	14.842	139	462436	107.229	ng	#	80
57) 2,4-Dinitrotoluene	14.995	165	411805	59.366	ng	#	77
58) Fluorene	15.695	166	1409141	52.240	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.265	232	390010	53.316	ng	#	90
60) Diethylphthalate	15.465	149	1385369	51.393	ng		99
61) 4-Chlorophenyl-phenyle...	15.689	204	737605	51.063	ng		93
62) 4-Nitroaniline	15.695	138	276142	49.871	ng		86
63) Azobenzene	15.977	77	1123006	47.958	ng		93
65) 4,6-Dinitro-2-methylph...	15.759	198	227205	53.345	ng	#	70
66) n-Nitrosodiphenylamine	15.895	169	1180718	51.901	ng		98
67) 4-Bromophenyl-phenylether	16.577	248	455268	55.462	ng		92
68) Hexachlorobenzene	16.701	284	520788	55.063	ng	#	87
69) Atrazine	16.842	200	402210	53.448	ng		96
70) Pentachlorophenol	17.036	266	681755	119.316	ng		99
71) Phenanthrene	17.430	178	2121010	52.621	ng		99
72) Anthracene	17.518	178	2151970	54.863	ng		99
73) Carbazole	17.783	167	1854841	50.222	ng		99
74) Di-n-butylphthalate	18.359	149	2258737	53.763	ng		99
75) Fluoranthene	19.442	202	2401085	54.221	ng		96
77) Benzidine	19.618	184	101651	7.967	ng		99
78) Pyrene	19.800	202	2453426	52.144	ng		99
80) Butylbenzylphthalate	20.694	149	931777	52.005	ng		89
81) Benzo(a)anthracene	21.541	228	2314528	51.922	ng		98
82) 3,3'-Dichlorobenzidine	21.471	252	492052	32.684	ng		98
83) Chrysene	21.600	228	2225245	52.258	ng		100
84) Bis(2-ethylhexyl)phtha...	21.477	149	1387114	50.680	ng	#	98
85) Di-n-octyl phthalate	22.424	149	2212999	51.015	ng	#	90
87) Indeno(1,2,3-cd)pyrene	26.600	276	3025195	59.999	ng	#	95
88) Benzo(b)fluoranthene	23.271	252	2427912	54.628	ng	#	98
89) Benzo(k)fluoranthene	23.318	252	2357914	53.182	ng	#	97
90) Benzo(a)pyrene	23.912	252	2352982	64.427	ng	#	97
91) Dibenzo(a,h)anthracene	26.618	278	2616014	61.692	ng		96
92) Benzo(g,h,i)perylene	27.382	276	2643322	64.347	ng		97

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

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