Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032123\
Data File : BM039070.D
Acq On : 21 Mar 2023 15:45
Operator : CG/JU
Sample : 01963-02MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
NYE-SOIL-0316MSD

Quant Time: Mar 22 03:41:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 22 03:36:20 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.969	152	279936	20.000	ng		0.00
21) Naphthalene-d8	10.781	136	1058240	20.000	ng		0.00
39) Acenaphthene-d10	14.610	164	571391	20.000	ng		0.00
64) Phenanthrene-d10	17.351	188	1113957	20.000	ng		0.00
76) Chrysene-d12	21.533	240	1020493	20.000	ng		0.00
86) Perylene-d12	23.962	264	1030659	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.528	112	2664876	144.630	ng		0.00
7) Phenol-d6	7.134	99	3101595	129.596	ng		0.00
23) Nitrobenzene-d5	9.140	82	2118095	98.317	ng		0.00
42) 2,4,6-Tribromophenol	16.098	330	1010783	152.915	ng		0.00
45) 2-Fluorobiphenyl	13.239	172	4116845	93.794	ng		0.00
79) Terphenyl-d14	19.974	244	5576676	99.913	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.405	88	351153	42.839	ng	#	45
3) Pyridine	3.811	79	752884	33.118	ng		99
4) n-Nitrosodimethylamine	3.711	42	420144	45.416	ng		98
6) Aniline	7.299	93	576423	18.343	ng		100
8) 2-Chlorophenol	7.534	128	968120	49.353	ng		98
9) Benzaldehyde	7.104	77	263670	23.152	ng		97
10) Phenol	7.157	94	1137913	44.773	ng		98
11) bis(2-Chloroethyl)ether	7.393	93	989875	47.905	ng		100
12) 1,3-Dichlorobenzene	7.857	146	1032147	49.512	ng		98
13) 1,4-Dichlorobenzene	8.004	146	1048940	49.475	ng		100
14) 1,2-Dichlorobenzene	8.322	146	1016636	49.780	ng		99
15) Benzyl Alcohol	8.210	79	806933	47.040	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.498	45	1274920	48.854	ng		99
17) 2-Methylphenol	8.416	107	789897	45.243	ng		99
18) Hexachloroethane	9.057	117	395095	50.508	ng		97
19) n-Nitroso-di-n-propyla...	8.787	70	732291	48.578	ng		99
20) 3+4-Methylphenols	8.745	107	1054463	45.233	ng		100
22) Acetophenone	8.798	105	1483525	49.967	ng	#	98
24) Nitrobenzene	9.181	77	1089145	48.099	ng		98
25) Isophorone	9.710	82	1955978	49.338	ng		99
26) 2-Nitrophenol	9.892	139	499309	49.819	ng		98
27) 2,4-Dimethylphenol	9.951	122	874625	50.632	ng		99
28) bis(2-Chloroethoxy)met...	10.192	93	1212599	47.603	ng		100
29) 2,4-Dichlorophenol	10.428	162	836791	51.095	ng		99
30) 1,2,4-Trichlorobenzene	10.645	180	882863	49.331	ng		99
31) Naphthalene	10.834	128	2875627	47.655	ng		99
32) Benzoic acid	10.081	122	607362	47.931	ng		99
33) 4-Chloroaniline	10.945	127	191255	7.437	ng		98
34) Hexachlorobutadiene	11.116	225	495606	48.291	ng		98
35) Caprolactam	11.734	113	229587	46.060	ng		100
36) 4-Chloro-3-methylphenol	12.063	107	871933	49.998	ng		99
37) 2-Methylnaphthalene	12.439	142	1873602	46.325	ng		99
38) 1-Methylnaphthalene	12.657	142	1761436	46.473	ng		100
40) 1,2,4,5-Tetrachloroben...	12.804	216	922381	49.655	ng		99
41) Hexachlorocyclopentadiene	12.786	237	1272800	124.829	ng		98
43) 2,4,6-Trichlorophenol	13.045	196	616819	51.279	ng		99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.116	196	667783	47.429	ng	97
46) 1,1'-Biphenyl	13.445	154	2409931	49.785	ng	99
47) 2-Chloronaphthalene	13.486	162	1828629	50.097	ng	100
48) 2-Nitroaniline	13.692	65	566369	48.440	ng	96
49) Acenaphthylene	14.333	152	2839014	48.828	ng	100
50) Dimethylphthalate	14.069	163	2168439	49.319	ng	100
51) 2,6-Dinitrotoluene	14.186	165	472060	48.521	ng	100
52) Acenaphthene	14.675	154	1728771	48.381	ng	98
53) 3-Nitroaniline	14.516	138	280502	25.449	ng	96
54) 2,4-Dinitrophenol	14.716	184	633061	111.112	ng	95
55) Dibenzofuran	15.010	168	2672854	47.801	ng	100
56) 4-Nitrophenol	14.822	139	914809	104.763	ng	97
57) 2,4-Dinitrotoluene	14.969	165	641561	50.043	ng	98
58) Fluorene	15.657	166	2138885	48.832	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.233	232	553257	50.952	ng	99
60) Diethylphthalate	15.427	149	2146869	50.182	ng	99
61) 4-Chlorophenyl-phenyle...	15.651	204	1020974	47.448	ng	99
62) 4-Nitroaniline	15.674	138	486926	42.301	ng	100
63) Azobenzene	15.939	77	2217149	48.979	ng	99
65) 4,6-Dinitro-2-methylph...	15.727	198	372537	50.582	ng	100
66) n-Nitrosodiphenylamine	15.863	169	1561250	41.574	ng	100
67) 4-Bromophenyl-phenylether	16.545	248	592980	49.284	ng	99
68) Hexachlorobenzene	16.657	284	674198	50.124	ng	99
69) Atrazine	16.816	200	277685	27.071	ng	98
70) Pentachlorophenol	16.998	266	926933	93.697	ng	100
71) Phenanthrene	17.392	178	3198110	48.917	ng	100
72) Anthracene	17.486	178	3240889	49.707	ng	99
73) Carbazole	17.757	167	2520999	42.366	ng	100
74) Di-n-butylphthalate	18.321	149	3618871	49.793	ng	99
75) Fluoranthene	19.410	202	3499811	50.700	ng	99
77) Benzidine	19.592	184	655555	30.195	ng	98
78) Pyrene	19.768	202	3706555	48.359	ng	100
80) Butylbenzylphthalate	20.662	149	1654219	50.567	ng	98
81) Benzo(a)anthracene	21.515	228	3666480	49.890	ng	99
82) 3,3'-Dichlorobenzidine	21.451	252	465299	20.601	ng	99
83) Chrysene	21.568	228	3416058	47.793	ng	100
84) Bis(2-ethylhexyl)phtha...	21.439	149	2414111	51.064	ng	100
85) Di-n-octyl phthalate	22.380	149	4250456	53.852	ng	99
87) Indeno(1,2,3-cd)pyrene	26.497	276	4530228	57.765	ng	99
88) Benzo(b)fluoranthene	23.221	252	3806492	57.810	ng	100
89) Benzo(k)fluoranthene	23.274	252	3823268	55.794	ng	100
90) Benzo(a)pyrene	23.856	252	3309001	52.216	ng	99
91) Dibenzo(a,h)anthracene	26.521	278	3891534	58.593	ng	99
92) Benzo(g,h,i)perylene	27.280	276	3691014	56.803	ng	98

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

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