Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032123\
Data File : BM039069.D
Acq On : 21 Mar 2023 15:07
Operator : CG/JU
Sample : 01963-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
NYE-SOIL-0316MS

Quant Time: Mar 22 03:40:19 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	287662	20.000	ng		0.00
21) Naphthalene-d8	10.780	136	1105206	20.000	ng		0.00
39) Acenaphthene-d10	14.610	164	597564	20.000	ng		0.00
64) Phenanthrene-d10	17.351	188	1186065	20.000	ng		0.00
76) Chrysene-d12	21.533	240	1079587	20.000	ng		0.00
86) Perylene-d12	23.962	264	1116150	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.528	112	2765788	146.075	ng		0.00
7) Phenol-d6	7.134	99	3204850	130.314	ng		0.00
23) Nitrobenzene-d5	9.139	82	2195436	97.576	ng		0.00
42) 2,4,6-Tribromophenol	16.098	330	1077760	155.906	ng		0.00
45) 2-Fluorobiphenyl	13.233	172	4271172	93.048	ng		0.00
79) Terphenyl-d14	19.974	244	5954424	100.841	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.405	88	365374	43.377	ng	#	45
3) Pyridine	3.810	79	756473	32.382	ng		98
4) n-Nitrosodimethylamine	3.710	42	428312	45.056	ng		99
6) Aniline	7.292	93	620408	19.213	ng		100
8) 2-Chlorophenol	7.534	128	1005183	49.866	ng		98
9) Benzaldehyde	7.104	77	274933	23.492	ng		97
10) Phenol	7.157	94	1184386	45.350	ng		98
11) bis(2-Chloroethyl)ether	7.392	93	1027626	48.396	ng		99
12) 1,3-Dichlorobenzene	7.857	146	1069861	49.942	ng		99
13) 1,4-Dichlorobenzene	8.004	146	1083960	49.753	ng		99
14) 1,2-Dichlorobenzene	8.322	146	1048750	49.973	ng		99
15) Benzyl Alcohol	8.210	79	842844	47.814	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.504	45	1322539	49.318	ng		99
17) 2-Methylphenol	8.416	107	819242	45.664	ng		99
18) Hexachloroethane	9.057	117	407335	50.674	ng		96
19) n-Nitroso-di-n-propyla...	8.787	70	761682	49.171	ng		100
20) 3+4-Methylphenols	8.745	107	1098078	45.839	ng		100
22) Acetophenone	8.798	105	1529352	49.321	ng	#	99
24) Nitrobenzene	9.181	77	1137472	48.099	ng		98
25) Isophorone	9.710	82	2051586	49.550	ng		100
26) 2-Nitrophenol	9.892	139	520695	49.749	ng		96
27) 2,4-Dimethylphenol	9.951	122	908326	50.348	ng		99
28) bis(2-Chloroethoxy)met...	10.192	93	1275771	47.955	ng		100
29) 2,4-Dichlorophenol	10.428	162	872633	51.019	ng		99
30) 1,2,4-Trichlorobenzene	10.645	180	916092	49.013	ng		100
31) Naphthalene	10.833	128	2985376	47.371	ng		100
32) Benzoic acid	10.086	122	593607	45.222	ng		100
33) 4-Chloroaniline	10.945	127	138916	5.172	ng		97
34) Hexachlorobutadiene	11.116	225	510595	47.637	ng		98
35) Caprolactam	11.739	113	249039	47.839	ng		98
36) 4-Chloro-3-methylphenol	12.063	107	911249	50.032	ng		99
37) 2-Methylnaphthalene	12.439	142	1961894	46.447	ng		99
38) 1-Methylnaphthalene	12.657	142	1836435	46.393	ng		99
40) 1,2,4,5-Tetrachloroben...	12.804	216	957695	49.298	ng		99
41) Hexachlorocyclopentadiene	12.786	237	1315578	123.374	ng		99
43) 2,4,6-Trichlorophenol	13.045	196	644426	51.227	ng		99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.116	196	706990	48.014	ng	98
46) 1,1'-Biphenyl	13.445	154	2524688	49.871	ng	100
47) 2-Chloronaphthalene	13.486	162	1913636	50.129	ng	100
48) 2-Nitroaniline	13.692	65	599520	49.003	ng	96
49) Acenaphthylene	14.333	152	2999569	49.330	ng	99
50) Dimethylphthalate	14.069	163	2290681	49.817	ng	100
51) 2,6-Dinitrotoluene	14.186	165	503095	49.417	ng	99
52) Acenaphthene	14.674	154	1813755	48.536	ng	99
53) 3-Nitroaniline	14.516	138	248087	21.767	ng	99
54) 2,4-Dinitrophenol	14.721	184	631138	106.165	ng	91
55) Dibenzofuran	15.010	168	2824229	48.296	ng	100
56) 4-Nitrophenol	14.821	139	967505	105.944	ng	97
57) 2,4-Dinitrotoluene	14.968	165	688732	51.314	ng	99
58) Fluorene	15.657	166	2263862	49.422	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.233	232	588069	51.785	ng	99
60) Diethylphthalate	15.427	149	2283020	51.028	ng	99
61) 4-Chlorophenyl-phenyle...	15.651	204	1072985	47.681	ng	100
62) 4-Nitroaniline	15.674	138	531301	44.058	ng	98
63) Azobenzene	15.939	77	2365841	49.975	ng	99
65) 4,6-Dinitro-2-methylph...	15.733	198	392531	50.110	ng	95
66) n-Nitrosodiphenylamine	15.863	169	1696681	42.433	ng	100
67) 4-Bromophenyl-phenylether	16.545	248	627788	49.004	ng	99
68) Hexachlorobenzene	16.657	284	717501	50.101	ng	99
69) Atrazine	16.815	200	339707	31.104	ng	98
70) Pentachlorophenol	16.998	266	994718	94.436	ng	99
71) Phenanthrene	17.398	178	3408076	48.959	ng	100
72) Anthracene	17.486	178	3485144	50.204	ng	100
73) Carbazole	17.756	167	2846803	44.933	ng	100
74) Di-n-butylphthalate	18.321	149	3948108	50.976	ng	99
75) Fluoranthene	19.409	202	3749966	51.021	ng	99
77) Benzidine	19.592	184	705333	30.627	ng	99
78) Pyrene	19.768	202	3994892	49.267	ng	100
80) Butylbenzylphthalate	20.662	149	1764839	50.967	ng	97
81) Benzo(a)anthracene	21.515	228	3862262	49.678	ng	99
82) 3,3'-Dichlorobenzidine	21.450	252	487933	20.420	ng	99
83) Chrysene	21.568	228	3633799	48.057	ng	99
84) Bis(2-ethylhexyl)phtha...	21.439	149	2574228	51.451	ng	100
85) Di-n-octyl phthalate	22.374	149	4476505	53.628	ng	99
87) Indeno(1,2,3-cd)pyrene	26.497	276	4736444	55.768	ng	99
88) Benzo(b)fluoranthene	23.221	252	4008905	56.220	ng	99
89) Benzo(k)fluoranthene	23.268	252	3959144	53.351	ng	99
90) Benzo(a)pyrene	23.856	252	3484117	50.769	ng	99
91) Dibenzo(a,h)anthracene	26.515	278	4016791	55.846	ng	99
92) Benzo(g,h,i)perylene	27.279	276	3880055	55.138	ng	99

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

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