Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG033123\
Data File : BG056939.D
Acq On : 31 Mar 2023 9:53
Operator : CG/JU
Sample : 01627-02
Misc : LOQ-SOIL-5ppm
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 01 02:32:28 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 31 03:23:11 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2023

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.415	152	14683	20.000	ng		0.00
21) Naphthalene-d8	11.253	136	58110	20.000	ng		0.00
39) Acenaphthene-d10	15.030	164	45233	20.000	ng		0.00
64) Phenanthrene-d10	17.767	188	116544	20.000	ng		0.00
76) Chrysene-d12	22.091	240	110516	20.000	ng	#	0.00
86) Perylene-d12	25.633	264	118418	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.919	112	101592	110.735	ng		0.00
7) Phenol-d6	7.540	99	151353	110.305	ng		0.00
23) Nitrobenzene-d5	9.590	82	119969	84.475	ng		0.00
42) 2,4,6-Tribromophenol	16.504	330	87595	121.220	ng		0.00
45) 2-Fluorobiphenyl	13.655	172	288306	86.429	ng		0.00
79) Terphenyl-d14	20.340	244	568757	87.085	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.728	88	2333	5.801	ng		94
3) Pyridine	4.162	79	5892m	4.549	ng		
4) n-Nitrosodimethylamine	4.057	42	2696	4.527	ng	#	97
6) Aniline	7.722	93	8455	4.820	ng	#	85
8) 2-Chlorophenol	7.963	128	4417	4.834	ng		94
9) Benzaldehyde	7.534	77	5336	6.200	ng		92
10) Phenol	7.564	94	6510	4.788	ng		86
11) bis(2-Chloroethyl)ether	7.810	93	4817	4.974	ng		99
12) 1,3-Dichlorobenzene	8.298	146	5270m	5.219	ng		
13) 1,4-Dichlorobenzene	8.445	146	5491	5.388	ng	#	85
14) 1,2-Dichlorobenzene	8.774	146	5024	5.103	ng		90
15) Benzyl Alcohol	8.639	79	5307	4.655	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.932	45	5823	4.989	ng		90
17) 2-Methylphenol	8.844	107	4334	4.468	ng		88
18) Hexachloroethane	9.514	117	1953	5.243	ng	#	85
19) n-Nitroso-di-n-propyla...	9.208	70	4462	4.546	ng		94
20) 3+4-Methylphenols	9.167	107	6031	4.446	ng		94
22) Acetophenone	9.238	105	8982	5.195	ng	#	94
24) Nitrobenzene	9.631	77	8120	5.592	ng	#	90
25) Isophorone	10.148	82	13314	4.923	ng		97
26) 2-Nitrophenol	10.342	139	2788	4.975	ng	#	69
27) 2,4-Dimethylphenol	10.383	122	4670	4.719	ng	#	86
28) bis(2-Chloroethoxy)met...	10.624	93	6425	4.745	ng		95
29) 2,4-Dichlorophenol	10.883	162	4704	4.420	ng		88
30) 1,2,4-Trichlorobenzene	11.112	180	5496	4.861	ng	#	80
31) Naphthalene	11.306	128	16125	5.091	ng		98
33) 4-Chloroaniline	11.400	127	6462	4.517	ng	#	90
34) Hexachlorobutadiene	11.582	225	4319	5.085	ng		92
35) Caprolactam	12.134	113	1840	5.014	ng	#	78
36) 4-Chloro-3-methylphenol	12.486	107	5123	4.305	ng	#	82
37) 2-Methylnaphthalene	12.880	142	12825	5.102	ng		98
38) 1-Methylnaphthalene	13.097	142	10782	4.568	ng		88
40) 1,2,4,5-Tetrachloroben...	13.238	216	8305	5.295	ng		98
41) Hexachlorocyclopentadiene	13.215	237	4139	4.789	ng		99
43) 2,4,6-Trichlorophenol	13.467	196	4597	4.593	ng		96
44) 2,4,5-Trichlorophenol	13.538	196	5036	4.247	ng		91

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.861	154	17939	5.418	ng		96
47) 2-Chloronaphthalene	13.914	162	13174	5.379	ng		95
48) 2-Nitroaniline	14.102	65	4448	5.080	ng		97
49) Acenaphthylene	14.754	152	21178	5.263	ng		99
50) Dimethylphthalate	14.454	163	18282	5.130	ng	#	99
51) 2,6-Dinitrotoluene	14.584	165	3533	4.588	ng		90
52) Acenaphthene	15.089	154	13595	4.899	ng		89
53) 3-Nitroaniline	14.918	138	3697	4.850	ng		86
54) 2,4-Dinitrophenol	15.118	184	1118	2.579	ng	#	76
55) Dibenzofuran	15.418	168	22228	5.337	ng	#	90
56) 4-Nitrophenol	15.200	139	2487	4.413	ng	#	86
57) 2,4-Dinitrotoluene	15.359	165	5470	5.037	ng	#	89
58) Fluorene	16.064	166	18564	5.386	ng	#	93
59) 2,3,4,6-Tetrachlorophenol	15.635	232	5166	4.785	ng	#	96
60) Diethylphthalate	15.805	149	18528	5.186	ng		99
61) 4-Chlorophenyl-phenyle...	16.046	204	9803	4.845	ng		98
62) 4-Nitroaniline	16.070	138	4245	5.375	ng		92
63) Azobenzene	16.340	77	17378	4.880	ng		98
65) 4,6-Dinitro-2-methylph...	16.128	198	2618	3.709	ng		84
66) n-Nitrosodiphenylamine	16.258	169	15620	4.993	ng		100
67) 4-Bromophenyl-phenylether	16.945	248	6955	4.823	ng		96
68) Hexachlorobenzene	17.068	284	7921	5.556	ng		96
69) Atrazine	17.186	200	7318	5.635	ng		90
70) Pentachlorophenol	17.409	266	2557	2.500	ng		96
71) Phenanthrene	17.809	178	31570	5.313	ng		96
72) Anthracene	17.897	178	30529	5.012	ng		97
73) Carbazole	18.161	167	26997	5.083	ng	#	96
74) Di-n-butylphthalate	18.684	149	29014	4.718	ng	#	95
75) Fluoranthene	19.794	202	37106	4.926	ng		98
77) Benzidine	19.959	184	19295	6.387	ng	#	96
78) Pyrene	20.158	202	38783	5.074	ng		96
80) Butylbenzylphthalate	21.016	149	12188	4.634	ng		91
81) Benzo(a)anthracene	22.067	228	39123	5.116	ng		98
82) 3,3'-Dichlorobenzidine	21.956	252	15292	5.921	ng		92
83) Chrysene	22.138	228	35006	4.889	ng		96
84) Bis(2-ethylhexyl)phtha...	21.921	149	18639	4.894	ng		94
85) Di-n-octyl phthalate	23.242	149	31111	4.847	ng	#	98
87) Indeno(1,2,3-cd)pyrene	29.716	276	44057	5.034	ng	#	87
88) Benzo(b)fluoranthene	24.500	252	40784m	5.508	ng		
89) Benzo(k)fluoranthene	24.570	252	39215	5.305	ng		94
90) Benzo(a)pyrene	25.457	252	33838	4.650	ng	#	98
91) Dibenzo(a,h)anthracene	29.781	278	38183	5.308	ng	#	91
92) Benzo(g,h,i)perylene	30.985	276	36167	5.134	ng		93

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

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