Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070720\
Data File : BG045965.D
Acq On : 7 Jul 2020 18:40
Operator : CG/JU
Sample : L3216-01
Misc : LOD-MDL-SOIL-8PPM
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Manual Integrations APPROVED
mohammad
7/9/2020 10:55:36 AM

Quant Time: Jul 08 04:25:19 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 07 09:58:42 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	119752	20.00	ng		0.00
21) Naphthalene-d8	10.81	136	481530	20.00	ng		0.00
39) Acenaphthene-d10	14.63	164	286946	20.00	ng		0.00
64) Phenanthrene-d10	17.37	188	590470	20.00	ng		0.00
76) Chrysene-d12	21.63	240	559376	20.00	ng		0.00
86) Perylene-d12	24.78	264	564297	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.59	112	1178483	159.59	ng		0.00
7) Phenol-d6	7.16	99	1649835	155.18	ng		0.00
23) Nitrobenzene-d5	9.16	82	1336854	159.80	ng		0.00
42) 2,4,6-Tribromophenol	16.11	330	469183	176.18	ng		0.00
45) 2-Fluorobiphenyl	13.26	172	2474466	134.51	ng		0.00
79) Terphenyl-d14	19.99	244	2930888	116.61	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.52	88	33346	9.788	ng		96
3) Pyridine	3.90	79	71536	6.944	ng	#	95
4) n-Nitrosodimethylamine	3.82	42	29297	8.411	ng	#	90
6) Aniline	7.33	93	110055	8.092	ng		97
8) 2-Chlorophenol	7.57	128	62265	7.833	ng		93
9) Benzaldehyde	7.14	77	75145	11.156	ng		99
10) Phenol	7.19	94	84997	7.970	ng		96
11) bis(2-Chloroethyl)ether	7.43	93	67294	7.631	ng		99
12) 1,3-Dichlorobenzene	7.90	146	69632	7.600	ng		94
13) 1,4-Dichlorobenzene	8.04	146	71765	7.962	ng		95
14) 1,2-Dichlorobenzene	8.36	146	66730	7.692	ng		97
15) Benzyl Alcohol	8.23	79	64610	7.751	ng		99
16) 2,2'-oxybis(1-Chloropropan	8.53	45	86521	7.520	ng		97
17) 2-Methylphenol	8.44	107	56040	7.003	ng		94
18) Hexachloroethane	9.10	117	26961	7.774	ng		96
19) n-Nitroso-di-n-propylamine	8.81	70	59205	7.927	ng		95
20) 3+4-Methylphenols	8.76	107	77945	7.147	ng		91
22) Acetophenone	8.82	105	106626	8.289	ng	#	95
24) Nitrobenzene	9.20	77	83237	9.014	ng		94
25) Isophorone	9.73	82	157977	7.735	ng	#	98
26) 2-Nitrophenol	9.91	139	22849	7.592	ng		92
27) 2,4-Dimethylphenol	9.97	122	58048	7.985	ng		96
28) bis(2-Chloroethoxy)methane	10.21	93	92397	8.057	ng		96
29) 2,4-Dichlorophenol	10.45	162	55333	7.353	ng		95
30) 1,2,4-Trichlorobenzene	10.67	180	64381	7.721	ng		99
31) Naphthalene	10.85	128	208744	8.086	ng		99
32) Benzoic acid	10.03	122	20524m	5.214	ng		
33) 4-Chloroaniline	10.95	127	88905	7.707	ng		97
34) Hexachlorobutadiene	11.15	225	34606	7.108	ng		96
35) Caprolactam	11.69	113	20873	7.305	ng		90
36) 4-Chloro-3-methylphenol	12.07	107	65322	7.621	ng		98
37) 2-Methylnaphthalene	12.46	142	148220	8.077	ng		99
38) 1-Methylnaphthalene	12.68	142	139040	8.029	ng		94
40) 1,2,4,5-Tetrachlorobenzene	12.83	216	68270	8.440	ng		99

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Hexachlorocyclopentadiene	12.82	237	38075	7.933	ng		98
43) 2,4,6-Trichlorophenol	13.06	196	40272	7.362	ng		98
44) 2,4,5-Trichlorophenol	13.13	196	44735	7.233	ng		97
46) 1,1'-Biphenyl	13.47	154	192161	8.902	ng		97
47) 2-Chloronaphthalene	13.51	162	133507	7.839	ng		97
48) 2-Nitroaniline	13.69	65	33197	8.328	ng		95
49) Acenaphthylene	14.35	152	230678	8.395	ng		96
50) Dimethylphthalate	14.08	163	167420	7.774	ng		98
51) 2,6-Dinitrotoluene	14.19	165	26268	7.861	ng		94
52) Acenaphthene	14.69	154	138757	8.006	ng		98
53) 3-Nitroaniline	14.51	138	30669	7.407	ng		88
54) 2,4-Dinitrophenol	14.72	184	6214	5.272	ng	#	56
55) Dibenzofuran	15.02	168	209942	8.263	ng		97
56) 4-Nitrophenol	14.81	139	24531	6.992	ng		95
57) 2,4-Dinitrotoluene	14.97	165	31610	7.656	ng		92
58) Fluorene	15.68	166	169712	8.143	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.25	232	37903m	7.937	ng		
60) Diethylphthalate	15.45	149	180835	8.007	ng		95
61) 4-Chlorophenyl-phenylether	15.67	204	79443	7.661	ng		98
62) 4-Nitroaniline	15.67	138	34171	7.678	ng		92
63) Azobenzene	15.96	77	202159	8.340	ng		97
65) 4,6-Dinitro-2-methylphenol	15.74	198	10638	6.151	ng		85
66) n-Nitrosodiphenylamine	15.88	169	147190	8.044	ng		98
67) 4-Bromophenyl-phenylether	16.56	248	48026	7.282	ng		98
68) Hexachlorobenzene	16.68	284	52923	7.997	ng		97
69) Atrazine	16.83	200	51608	9.540	ng		96
70) Pentachlorophenol	17.02	266	24876	6.761	ng		97
71) Phenanthrene	17.41	178	264414	8.470	ng		96
72) Anthracene	17.50	178	274710	8.672	ng		94
73) Carbazole	17.77	167	255936	8.060	ng		95
74) Di-n-butylphthalate	18.35	149	315531	8.223	ng	#	93
75) Fluoranthene	19.42	202	310002	8.590	ng		95
77) Benzidine	19.59	184	161387	10.090	ng		98
78) Pyrene	19.78	202	315563	8.264	ng		95
80) Butylbenzylphthalate	20.68	149	130674	7.242	ng		97
81) Benzo(a)anthracene	21.61	228	292118	7.942	ng		95
82) 3,3'-Dichlorobenzidine	21.52	252	112020	8.242	ng		97
83) Chrysene	21.67	228	280712	8.011	ng		96
84) Bis(2-ethylhexyl)phthalate	21.55	149	198419	7.576	ng	#	93
85) Di-n-octyl phthalate	22.75	149	331134	7.285	ng		99
87) Indeno(1,2,3-cd)pyrene	28.35	276	327177	7.925	ng		96
88) Benzo(b)fluoranthene	23.79	252	286993	8.012	ng		98
89) Benzo(k)fluoranthene	23.85	252	288318	8.512	ng		99
90) Benzo(a)pyrene	24.63	252	265695	7.888	ng		97
91) Dibenzo(a,h)anthracene	28.42	278	269385	8.090	ng		98
92) Benzo(g,h,i)perylene	29.47	276	270021	8.058	ng		99

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

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