Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031323\
Data File : BP014069.D
Acq On : 13 Mar 2023 18:33
Operator : CG/JU
Sample : 01627-01
Misc : LOD-MDL-SOIL 4ppm
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 03/14/2023
Supervised By :Jagrut Upadhyay 03/14/2023

Quant Time: Mar 14 04:21:33 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 14 04:15:47 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.069	152	145313	20.000	ng		0.00
21) Naphthalene-d8	10.893	136	512525	20.000	ng	#	0.00
39) Acenaphthene-d10	14.710	164	299663	20.000	ng		0.00
64) Phenanthrene-d10	17.463	188	600423	20.000	ng	#	0.00
76) Chrysene-d12	21.539	240	508790	20.000	ng		0.00
86) Perylene-d12	24.074	264	509907	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.611	112	1009932	112.712	ng		0.00
7) Phenol-d6	7.222	99	1290970	109.737	ng		0.00
23) Nitrobenzene-d5	9.246	82	918107	81.874	ng		0.00
42) 2,4,6-Tribromophenol	16.198	330	478079	98.399	ng		0.00
45) 2-Fluorobiphenyl	13.334	172	1859275	80.385	ng		0.00
79) Terphenyl-d14	19.998	244	2366777	76.705	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.470	88	15819	4.064	ng		95
3) Pyridine	3.905	79	33061m	3.058	ng		
4) n-Nitrosodimethylamine	3.799	42	16922	3.527	ng	#	94
6) Aniline	7.393	93	55049	3.562	ng		98
8) 2-Chlorophenol	7.628	128	35462	3.695	ng		97
9) Benzaldehyde	7.211	77	36603	6.218	ng		99
10) Phenol	7.252	94	46010	3.758	ng		93
11) bis(2-Chloroethyl)ether	7.487	93	36319	3.746	ng		96
12) 1,3-Dichlorobenzene	7.958	146	41392	3.925	ng		99
13) 1,4-Dichlorobenzene	8.105	146	41870	3.924	ng		93
14) 1,2-Dichlorobenzene	8.428	146	40823	3.995	ng		98
15) Benzyl Alcohol	8.316	79	30499	3.180	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.599	45	46181	4.376	ng		97
17) 2-Methylphenol	8.516	107	27618	3.163	ng		97
18) Hexachloroethane	9.158	117	14819	3.697	ng		88
19) n-Nitroso-di-n-propyla...	8.875	70	26097	3.370	ng	#	95
20) 3+4-Methylphenols	8.846	107	36445	3.099	ng		96
22) Acetophenone	8.905	105	54428	3.786	ng	#	96
24) Nitrobenzene	9.287	77	46520m	4.054	ng		
25) Isophorone	9.810	82	64666	3.130	ng		99
26) 2-Nitrophenol	10.005	139	15254	3.056	ng		95
27) 2,4-Dimethylphenol	10.057	122	28603	3.525	ng		98
28) bis(2-Chloroethoxy)met...	10.293	93	43804	3.663	ng		99
29) 2,4-Dichlorophenol	10.546	162	28050	3.158	ng		95
30) 1,2,4-Trichlorobenzene	10.757	180	37206	3.689	ng		98
31) Naphthalene	10.946	128	104858	3.723	ng		99
32) Benzoic acid	10.175	122	7658m	3.776	ng		
33) 4-Chloroaniline	11.063	127	37585	3.113	ng		96
34) Hexachlorobutadiene	11.222	225	25370	3.460	ng		95
35) Caprolactam	11.840	113	6176m	2.429	ng		
36) 4-Chloro-3-methylphenol	12.175	107	29218	2.949	ng		93
37) 2-Methylnaphthalene	12.546	142	69209	3.331	ng		97
38) 1-Methylnaphthalene	12.763	142	64950	3.354	ng		97
40) 1,2,4,5-Tetrachloroben...	12.910	216	42487	3.720	ng		99
41) Hexachlorocyclopentadiene	12.881	237	20571	2.870	ng		99
43) 2,4,6-Trichlorophenol	13.151	196	22034	3.052	ng		95

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	13.228	196	22895	2.737	ng	#	95
46)	1,1'-Biphenyl	13.546	154	94673	3.925	ng		95
47)	2-Chloronaphthalene	13.587	162	71965	3.876	ng		98
48)	2-Nitroaniline	13.798	65	16304	2.893	ng		91
49)	Acenaphthylene	14.434	152	100002	3.387	ng		97
50)	Dimethylphthalate	14.157	163	83331	3.371	ng		98
51)	2,6-Dinitrotoluene	14.281	165	15112	2.903	ng		93
52)	Acenaphthene	14.769	154	64481	3.628	ng		97
53)	3-Nitroaniline	14.622	138	13348	2.616	ng		89
54)	2,4-Dinitrophenol	14.840	184	5357m	4.413	ng		
55)	Dibenzofuran	15.104	168	105426	3.638	ng		98
57)	2,4-Dinitrotoluene	15.075	165	18034	2.591	ng	#	98
58)	Fluorene	15.757	166	79883	3.472	ng		96
59)	2,3,4,6-Tetrachlorophenol	15.334	232	21732m	2.977	ng		
60)	Diethylphthalate	15.516	149	76415	3.131	ng		99
61)	4-Chlorophenyl-phenyle...	15.745	204	43071	3.302	ng		98
62)	4-Nitroaniline	15.787	138	11830m	2.329	ng		
63)	Azobenzene	16.040	77	71118	3.149	ng		96
66)	n-Nitrosodiphenylamine	15.963	169	65535	3.454	ng		97
67)	4-Bromophenyl-phenylether	16.645	248	25240	3.178	ng		93
68)	Hexachlorobenzene	16.763	284	31398	3.688	ng		95
69)	Atrazine	16.910	200	22200	3.333	ng		97
70)	Pentachlorophenol	17.116	266	13496m	2.198	ng		
71)	Phenanthrene	17.504	178	124055	3.698	ng		99
72)	Anthracene	17.598	178	112632	3.286	ng		99
73)	Carbazole	17.869	167	94261	3.188	ng		99
74)	Di-n-butylphthalate	18.398	149	101900	2.757	ng		99
75)	Fluoranthene	19.463	202	126388	3.152	ng		96
77)	Benzidine	19.639	184	50443	6.907	ng	#	96
78)	Pyrene	19.816	202	134200	3.436	ng		99
80)	Butylbenzylphthalate	20.669	149	38052	2.570	ng		98
81)	Benzo(a)anthracene	21.527	228	126872	3.399	ng		98
82)	3,3'-Dichlorobenzidine	21.457	252	44623	3.736	ng		99
83)	Chrysene	21.580	228	127609	3.610	ng		99
84)	Bis(2-ethylhexyl)phtha...	21.422	149	54877	2.527	ng		99
85)	Di-n-octyl phthalate	22.386	149	82709	2.346	ng	#	94
87)	Indeno(1,2,3-cd)pyrene	26.733	276	137616	3.493	ng		97
88)	Benzo(b)fluoranthene	23.292	252	116856	3.500	ng	#	93
89)	Benzo(k)fluoranthene	23.345	252	117993	3.564	ng	#	98
90)	Benzo(a)pyrene	23.957	252	99348	3.120	ng	#	98
91)	Dibenzo(a,h)anthracene	26.757	278	113839	3.476	ng	#	95
92)	Benzo(g,h,i)perylene	27.562	276	115646	3.563	ng		98

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

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