Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020524\
Data File : BP019558.D
Acq On : 05 Feb 2024 13:14
Operator : MA/JU
Sample : 04699-01
Misc : MDL-SOIL-8PPM
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2024
Supervised By :mohammad ahmed 02/08/2024

Quant Time: Feb 05 13:47:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 01 00:51:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.905	152	75099	20.000	ng		-0.01
21) Naphthalene-d8	10.704	136	302087	20.000	ng		-0.01
39) Acenaphthene-d10	14.545	164	194020	20.000	ng		0.00
64) Phenanthrene-d10	17.298	188	375864	20.000	ng		0.00
76) Chrysene-d12	21.392	240	321956	20.000	ng		0.00
86) Perylene-d12	23.816	264	408984	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.475	112	457060	98.103	ng		-0.01
7) Phenol-d6	7.069	99	614950	97.891	ng		-0.02
23) Nitrobenzene-d5	9.075	82	470813	67.534	ng		-0.01
42) 2,4,6-Tribromophenol	16.039	330	254162	89.720	ng		0.00
45) 2-Fluorobiphenyl	13.169	172	1064643	67.835	ng		-0.01
79) Terphenyl-d14	19.869	244	1297971	66.300	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.381	88	15098	8.411	ng		97
3) Pyridine	3.781	79	32806	6.741	ng		95
4) n-Nitrosodimethylamine	3.705	42	15083	7.119	ng		91
6) Aniline	7.234	93	52825	8.654	ng		98
8) 2-Chlorophenol	7.463	128	34458	7.204	ng		94
9) Benzaldehyde	7.052	77	36272	8.235	ng		97
10) Phenol	7.099	94	44114	7.046	ng		95
11) bis(2-Chloroethyl)ether	7.340	93	35877	7.365	ng		100
12) 1,3-Dichlorobenzene	7.793	146	41430	7.079	ng		99
13) 1,4-Dichlorobenzene	7.940	146	42224	7.121	ng		98
14) 1,2-Dichlorobenzene	8.252	146	40828	7.116	ng		99
15) Benzyl Alcohol	8.152	79	34911	6.955	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.446	45	36327	7.458	ng		98
17) 2-Methylphenol	8.346	107	30350	7.200	ng		97
18) Hexachloroethane	8.975	117	15442	6.718	ng		98
19) n-Nitroso-di-n-propyla...	8.722	70	31103	7.249	ng		97
20) 3+4-Methylphenols	8.681	107	41101	7.145	ng		96
22) Acetophenone	8.734	105	61333	7.127	ng	#	97
24) Nitrobenzene	9.116	77	48481	6.907	ng		100
25) Isophorone	9.640	82	82247	6.774	ng		98
26) 2-Nitrophenol	9.822	139	15941	5.956	ng		89
27) 2,4-Dimethylphenol	9.881	122	26970	7.881	ng		94
28) bis(2-Chloroethoxy)met...	10.134	93	48196	7.016	ng		99
29) 2,4-Dichlorophenol	10.352	162	33043	6.387	ng		97
30) 1,2,4-Trichlorobenzene	10.569	180	41579	6.555	ng		95
31) Naphthalene	10.757	128	111612	6.737	ng		99
32) Benzoic acid	9.952	122	16626m	4.986	ng		
33) 4-Chloroaniline	10.875	127	45053	7.353	ng		98
34) Hexachlorobutadiene	11.034	225	30028	6.388	ng		98
35) Caprolactam	11.646	113	8247	5.631	ng		93
36) 4-Chloro-3-methylphenol	11.993	107	35471	6.288	ng		96
37) 2-Methylnaphthalene	12.369	142	77725	6.779	ng		99
38) 1-Methylnaphthalene	12.587	142	75167	6.671	ng		99
40) 1,2,4,5-Tetrachloroben...	12.728	216	52241	6.982	ng		99
41) Hexachlorocyclopentadiene	12.704	237	28333	8.382	ng		98
43) 2,4,6-Trichlorophenol	12.975	196	27458	6.060	ng		95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.040	196	29642	5.958	ng	95
46) 1,1'-Biphenyl	13.381	154	109833	7.093	ng	98
47) 2-Chloronaphthalene	13.416	162	85708	6.742	ng	100
48) 2-Nitroaniline	13.628	65	20431	5.748	ng	97
49) Acenaphthylene	14.263	152	130376	7.311	ng	98
50) Dimethylphthalate	14.010	163	99908	6.727	ng	98
51) 2,6-Dinitrotoluene	14.134	165	20153	6.176	ng	96
52) Acenaphthene	14.604	154	75911	6.858	ng	98
53) 3-Nitroaniline	14.457	138	17452	5.819	ng	97
54) 2,4-Dinitrophenol	14.663	184	7918	4.673	ng	96
55) Dibenzofuran	14.945	168	126265	7.004	ng	97
56) 4-Nitrophenol	14.757	139	12467	5.072	ng	91
57) 2,4-Dinitrotoluene	14.916	165	23075	5.396	ng	97
58) Fluorene	15.592	166	94312	6.568	ng	94
59) 2,3,4,6-Tetrachlorophenol	15.169	232	26706m	6.382	ng	
60) Diethylphthalate	15.381	149	90895	6.153	ng	99
61) 4-Chlorophenyl-phenyle...	15.598	204	53939	6.684	ng	97
62) 4-Nitroaniline	15.622	138	17080	5.434	ng	95
63) Azobenzene	15.892	77	90355	6.325	ng	97
65) 4,6-Dinitro-2-methylph...	15.675	198	10945	5.107	ng	97
66) n-Nitrosodiphenylamine	15.810	169	80075	7.114	ng	99
67) 4-Bromophenyl-phenylether	16.498	248	31347	6.671	ng	95
68) Hexachlorobenzene	16.592	284	37470	6.829	ng	95
69) Atrazine	16.775	200	27234	7.291	ng	94
70) Pentachlorophenol	16.939	266	17088	5.001	ng	96
71) Phenanthrene	17.345	178	139485	7.052	ng	99
72) Anthracene	17.434	178	135696	6.877	ng	99
73) Carbazole	17.710	167	110862	6.185	ng	99
74) Di-n-butylphthalate	18.275	149	117542	5.423	ng	99
75) Fluoranthene	19.310	202	146147	6.048	ng	97
77) Benzidine	19.504	184	67205	9.984	ng	98
78) Pyrene	19.663	202	152580	6.715	ng	98
80) Butylbenzylphthalate	20.557	149	43508	5.127	ng	100
81) Benzo(a)anthracene	21.380	228	152579	6.732	ng	99
82) 3,3'-Dichlorobenzidine	21.322	252	55851	6.763	ng	94
83) Chrysene	21.433	228	144875	6.733	ng	100
84) Bis(2-ethylhexyl)phtha...	21.327	149	64928	5.025	ng	99
85) Di-n-octyl phthalate	22.274	149	113228	4.981	ng	100
87) Indeno(1,2,3-cd)pyrene	26.339	276	216580	6.918	ng	99
88) Benzo(b)fluoranthene	23.080	252	167963m	6.516	ng	
89) Benzo(k)fluoranthene	23.127	252	154828	6.288	ng	99
90) Benzo(a)pyrene	23.710	252	148412	6.471	ng	98
91) Dibenzo(a,h)anthracene	26.374	278	180189	6.998	ng	98
92) Benzo(g,h,i)perylene	27.115	276	175432	6.716	ng	98

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

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