Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081424\
Data File : BP021495.D
Acq On : 14 Aug 2024 11:24
Operator : RC/JU
Sample : P3390-01
Misc : LOD-MDL-SOIL-4ng
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 14 11:55:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/14/2024
Supervised By :mohammad ahmed 08/16/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.805	152	350358	20.000	ng		0.00
21) Naphthalene-d8	10.587	136	1452428	20.000	ng		-0.01
39) Acenaphthene-d10	14.440	164	958145	20.000	ng		-0.02
64) Phenanthrene-d10	17.239	188	2125023	20.000	ng		-0.01
76) Chrysene-d12	21.692	240	2161948	20.000	ng		0.00
86) Perylene-d12	25.110	264	2369142	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.399	112	3144403	133.264	ng		0.00
7) Phenol-d6	6.964	99	4465209	129.727	ng		0.00
23) Nitrobenzene-d5	8.946	82	2786207	99.014	ng		0.00
42) 2,4,6-Tribromophenol	15.951	330	1496148	140.302	ng		-0.02
45) 2-Fluorobiphenyl	13.057	172	5619671	89.512	ng		0.00
79) Terphenyl-d14	19.963	244	8875983	79.760	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.323	88	48628	4.346	ng		98
3) Pyridine	3.711	79	115945	3.712	ng		98
4) n-Nitrosodimethylamine	3.623	42	40249	4.287	ng	#	98
6) Aniline	7.128	93	165306	4.804	ng		97
8) 2-Chlorophenol	7.369	128	93103	4.270	ng		97
9) Benzaldehyde	6.946	77	122704	5.568	ng		96
10) Phenol	6.987	94	149662	4.199	ng		97
11) bis(2-Chloroethyl)ether	7.228	93	124785	4.137	ng		98
12) 1,3-Dichlorobenzene	7.699	146	104255	4.025	ng		97
13) 1,4-Dichlorobenzene	7.840	146	107220	4.100	ng		99
14) 1,2-Dichlorobenzene	8.158	146	102582	4.070	ng		98
15) Benzyl Alcohol	8.028	79	101144	4.095	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.322	45	123233	4.437	ng		99
17) 2-Methylphenol	8.228	107	88805	3.941	ng		97
18) Hexachloroethane	8.887	117	42950	4.095	ng		97
19) n-Nitroso-di-n-propyla...	8.599	70	97025	4.081	ng		97
20) 3+4-Methylphenols	8.552	107	113534	3.737	ng		94
22) Acetophenone	8.611	105	189541	4.248	ng	#	97
24) Nitrobenzene	8.987	77	142350	4.658	ng		100
25) Isophorone	9.510	82	272418	4.098	ng		99
26) 2-Nitrophenol	9.693	139	21194	4.780	ng		93
27) 2,4-Dimethylphenol	9.758	122	63658	3.880	ng		98
28) bis(2-Chloroethoxy)met...	9.999	93	169283	4.172	ng		98
29) 2,4-Dichlorophenol	10.228	162	71114	3.669	ng		98
30) 1,2,4-Trichlorobenzene	10.452	180	99108	3.988	ng		99
31) Naphthalene	10.640	128	311582	4.107	ng		100
32) Benzoic acid	9.793	122	18400m	5.676	ng		
33) 4-Chloroaniline	10.734	127	121850	4.275	ng		99
34) Hexachlorobutadiene	10.934	225	61259	3.915	ng		97
35) Caprolactam	11.469	113	29667	3.677	ng		92
36) 4-Chloro-3-methylphenol	11.852	107	96855	3.602	ng		98
37) 2-Methylnaphthalene	12.246	142	209859	4.053	ng		98
38) 1-Methylnaphthalene	12.469	142	201235	3.940	ng		99
40) 1,2,4,5-Tetrachloroben...	12.616	216	117290	4.178	ng		99
41) Hexachlorocyclopentadiene	12.610	237	39103	4.395	ng		95
43) 2,4,6-Trichlorophenol	12.851	196	54149	3.472	ng		99

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	12.922	196	60658	3.501	ng		95
46)	1,1'-Biphenyl	13.263	154	295102	4.353	ng		99
47)	2-Chloronaphthalene	13.304	162	219191	4.153	ng		98
48)	2-Nitroaniline	13.493	65	40440	7.588	ng		94
49)	Acenaphthylene	14.157	152	340505	4.389	ng		100
50)	Dimethylphthalate	13.887	163	271260	4.227	ng		100
51)	2,6-Dinitrotoluene	13.998	165	33974	6.392	ng		84
52)	Acenaphthene	14.504	154	206764	4.062	ng		97
53)	3-Nitroaniline	14.328	138	36270	6.584	ng	#	93
54)	2,4-Dinitrophenol	14.528	184	8896	6.029	ng	#	39
55)	Dibenzofuran	14.840	168	342922	4.379	ng		100
56)	4-Nitrophenol	14.628	139	26006	7.367	ng		93
57)	2,4-Dinitrotoluene	14.793	165	36163	6.989	ng		97
58)	Fluorene	15.498	166	274225	4.263	ng		98
59)	2,3,4,6-Tetrachlorophenol	15.075	232	54385	3.698	ng		98
60)	Diethylphthalate	15.275	149	269091	4.087	ng		100
61)	4-Chlorophenyl-phenyle...	15.504	204	139478	4.194	ng		99
62)	4-Nitroaniline	15.498	138	36071	5.524	ng	#	78
63)	Azobenzene	15.798	77	358902	4.435	ng		97
65)	4,6-Dinitro-2-methylph...	15.569	198	12637	7.119	ng		97
66)	n-Nitrosodiphenylamine	15.716	169	229883	4.037	ng		99
67)	4-Bromophenyl-phenylether	16.416	248	81998	3.646	ng		97
68)	Hexachlorobenzene	16.528	284	104732	3.941	ng		96
69)	Atrazine	16.681	200	78807	4.031	ng		98
70)	Pentachlorophenol	16.875	266	39616	2.731	ng		96
71)	Phenanthrene	17.287	178	439284	4.298	ng		98
72)	Anthracene	17.375	178	417743	4.168	ng		99
73)	Carbazole	17.645	167	384592	3.982	ng		100
74)	Di-n-butylphthalate	18.251	149	425703	3.589	ng		99
75)	Fluoranthene	19.363	202	494621	3.945	ng		98
77)	Benzidine	19.551	184	135861	6.639	ng		97
78)	Pyrene	19.739	202	528035	3.737	ng		99
80)	Butylbenzylphthalate	20.698	149	126785	5.789	ng		92
81)	Benzo(a)anthracene	21.675	228	548856	4.044	ng		100
82)	3,3'-Dichlorobenzidine	21.586	252	154112	3.542	ng		99
83)	Chrysene	21.739	228	522941	4.081	ng		99
84)	Bis(2-ethylhexyl)phtha...	21.633	149	250872	3.128	ng		98
85)	Di-n-octyl phthalate	22.951	149	331684	6.953	ng		97
87)	Indeno(1,2,3-cd)pyrene	28.962	276	571418m	3.721	ng		
88)	Benzo(b)fluoranthene	24.021	252	511881	3.762	ng		100
89)	Benzo(k)fluoranthene	24.092	252	516275	3.890	ng		99
90)	Benzo(a)pyrene	24.927	252	447722	3.792	ng		99
91)	Dibenzo(a,h)anthracene	29.062	278	479296	3.756	ng		98
92)	Benzo(g,h,i)perylene	30.145	276	469572	3.672	ng		99

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

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