Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011325\
Data File : BF141129.D
Acq On : 13 Jan 2025 16:37
Operator : RC/JU
Sample : P1187-01
Misc : LOD-MDL-SOIL 4PPM
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/14/2025
Supervised By :mohammad ahmed 01/14/2025

Quant Time: Jan 13 16:57:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.822	152	146126	20.000	ng		0.00
21) Naphthalene-d8	8.098	136	568139	20.000	ng		0.00
39) Acenaphthene-d10	9.857	164	311193	20.000	ng		0.00
64) Phenanthrene-d10	11.339	188	534713	20.000	ng		0.00
76) Chrysene-d12	13.986	240	341829	20.000	ng		0.00
86) Perylene-d12	15.451	264	300003	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.428	112	1026970	108.568	ng		0.00
7) Phenol-d6	6.446	99	1295104	108.087	ng		0.00
23) Nitrobenzene-d5	7.381	82	878012	81.920	ng		0.00
42) 2,4,6-Tribromophenol	10.645	330	415790	117.261	ng		0.00
45) 2-Fluorobiphenyl	9.181	172	1611532	79.079	ng		0.00
79) Terphenyl-d14	12.933	244	1748809	76.040	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.540	88	17066	4.051	ng		97
3) Pyridine	3.322	79	36862	3.569	ng		94
4) n-Nitrosodimethylamine	3.210	42	19256	3.812	ng	#	92
6) Aniline	6.481	93	52780	4.961	ng		97
8) 2-Chlorophenol	6.604	128	41641	4.103	ng		95
9) Benzaldehyde	6.369	77	34853	4.939	ng		98
10) Phenol	6.457	94	52175	4.068	ng	#	74
11) bis(2-Chloroethyl)ether	6.551	93	40063	4.191	ng		95
12) 1,3-Dichlorobenzene	6.757	146	45941	4.059	ng		97
13) 1,4-Dichlorobenzene	6.834	146	45915	4.026	ng		99
14) 1,2-Dichlorobenzene	6.993	146	43362	4.076	ng		97
15) Benzyl Alcohol	6.957	79	45653	5.276	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.093	45	55351	4.150	ng		98
17) 2-Methylphenol	7.063	107	32413	3.956	ng		99
18) Hexachloroethane	7.334	117	16453	3.989	ng		96
19) n-Nitroso-di-n-propyla...	7.222	70	29265	4.146	ng		99
20) 3+4-Methylphenols	7.216	107	42721	4.133	ng	#	77
22) Acetophenone	7.222	105	61403	4.546	ng		99
24) Nitrobenzene	7.398	77	47601	4.261	ng		99
25) Isophorone	7.634	82	77456	4.229	ng		99
26) 2-Nitrophenol	7.716	139	18985	3.736	ng		97
27) 2,4-Dimethylphenol	7.745	122	18678m	2.725	ng		
28) bis(2-Chloroethoxy)met...	7.845	93	46911	4.081	ng		97
29) 2,4-Dichlorophenol	7.951	162	31707	3.895	ng		99
30) 1,2,4-Trichlorobenzene	8.040	180	37774	4.060	ng		97
31) Naphthalene	8.122	128	126498	4.222	ng		99
32) Benzoic acid	7.787	122	14988	2.280	ng		96
33) 4-Chloroaniline	8.169	127	46274	4.466	ng		99
34) Hexachlorobutadiene	8.240	225	21774	3.884	ng		99
35) Caprolactam	8.487	113	9415	3.533	ng		85
36) 4-Chloro-3-methylphenol	8.640	107	35414	3.978	ng		99
37) 2-Methylnaphthalene	8.810	142	81456	4.266	ng		100
38) 1-Methylnaphthalene	8.910	142	75866	4.032	ng		99
40) 1,2,4,5-Tetrachloroben...	8.975	216	38570	4.318	ng		98
41) Hexachlorocyclopentadiene	8.969	237	9491	3.248	ng		99
43) 2,4,6-Trichlorophenol	9.087	196	22628	3.756	ng		96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	24484	3.848	ng	98
46) 1,1'-Biphenyl	9.275	154	109244	4.520	ng	98
47) 2-Chloronaphthalene	9.298	162	77355	4.110	ng	97
48) 2-Nitroaniline	9.392	65	20450	3.665	ng	97
49) Acenaphthylene	9.716	152	116715	4.340	ng	99
50) Dimethylphthalate	9.569	163	87108	4.170	ng	99
51) 2,6-Dinitrotoluene	9.634	165	17633	3.629	ng	96
52) Acenaphthene	9.886	154	75823	4.036	ng	98
53) 3-Nitroaniline	9.798	138	19030	3.855	ng	96
55) Dibenzofuran	10.057	168	108873	4.260	ng	99
56) 4-Nitrophenol	9.951	139	12414	3.211	ng	96
57) 2,4-Dinitrotoluene	10.034	165	23549	3.761	ng	99
58) Fluorene	10.404	166	85312	4.297	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.175	232	20179	3.816	ng	97
60) Diethylphthalate	10.275	149	84967	4.166	ng	100
61) 4-Chlorophenyl-phenyle...	10.398	204	41641	4.303	ng	99
62) 4-Nitroaniline	10.404	138	17205	3.561	ng	97
63) Azobenzene	10.557	77	82857	4.117	ng	99
65) 4,6-Dinitro-2-methylph...	10.439	198	7834	2.528	ng	89
66) n-Nitrosodiphenylamine	10.510	169	71996	4.174	ng	99
67) 4-Bromophenyl-phenylether	10.886	248	25048	4.069	ng	98
68) Hexachlorobenzene	10.951	284	28590	4.172	ng	98
69) Atrazine	11.033	200	23021	4.957	ng	96
70) Pentachlorophenol	11.139	266	13548	3.087	ng	98
71) Phenanthrene	11.363	178	124364	4.332	ng	99
72) Anthracene	11.416	178	120857	4.330	ng	99
73) Carbazole	11.569	167	107085	4.184	ng	98
74) Di-n-butylphthalate	11.910	149	121174	4.137	ng	100
75) Fluoranthene	12.551	202	120970	4.223	ng	99
77) Benzidine	12.680	184	28100	4.433	ng	97
78) Pyrene	12.780	202	125506	3.844	ng	98
80) Butylbenzylphthalate	13.410	149	39853	3.661	ng	95
81) Benzo(a)anthracene	13.974	228	96104	4.131	ng	100
82) 3,3'-Dichlorobenzidine	13.939	252	25662	3.464	ng	96
83) Chrysene	14.010	228	87448	4.017	ng	99
84) Bis(2-ethylhexyl)phtha...	13.974	149	51243	3.923	ng	100
85) Di-n-octyl phthalate	14.598	149	64115	3.251	ng	99
87) Indeno(1,2,3-cd)pyrene	16.898	276	80146	3.646	ng	98
88) Benzo(b)fluoranthene	15.027	252	70025	3.620	ng	100
89) Benzo(k)fluoranthene	15.057	252	74800	4.575	ng	99
90) Benzo(a)pyrene	15.392	252	63378	3.971	ng	99
91) Dibenzo(a,h)anthracene	16.921	278	64023	3.601	ng	97
92) Benzo(g,h,i)perylene	17.333	276	65037	3.517	ng	98

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

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