Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070824\
Data File : BG061974.D
Acq On : 9 Jul 2024 15:15
Operator : MA/JU
Sample : PB161730BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 09 16:10:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 03 02:38:46 2024
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS730

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 07/09/2024
Supervised By :mohammad ahmed 07/10/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.096	152	30490	20.000	ng/ul	0.00
20) Naphthalene-d8	10.905	136	160815	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.718	164	128053	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.456	188	294073	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.716	240	260930	20.000	ng/ul	0.00
88) Perylene-d12	24.947	264	311644	20.000	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.484	96	7319m	9.021	ng/uL	0.00
4) Pyridine-d5	3.901	84	73529	29.473	ng/ul	0.00
7) Phenol-d5	7.244	99	113804	34.107	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.415	67	68141	32.248	ng/ul	0.00
11) 2-Chlorophenol-d4	7.620	132	80518	35.179	ng/ul	0.00
15) 4-Methylphenol-d8	8.795	113	91095	34.674	ng/ul	0.00
21) Nitrobenzene-d5	9.265	128	43836	35.841	ng/ul	0.00
24) 2-Nitrophenol-d4	9.982	143	54060	38.705	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.523	165	100848	37.434	ng/ul	0.00
31) 4-Chloroaniline-d4	11.040	131	116867	29.880	ng/ul	0.00
46) Dimethylphthalate-d6	14.119	166	353645	33.592	ng/ul	0.00
49) Acenaphthylene-d8	14.412	160	382855	34.779	ng/ul	0.00
54) 4-Nitrophenol-d4	14.912	143	57645	34.288	ng/ul	0.00
60) Fluorene-d10	15.705	176	310734	35.061	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.822	200	66052	42.768	ng/ul	0.00
73) Anthracene-d10	17.556	188	475825	34.656	ng/ul	0.00
81) Pyrene-d10	19.835	212	545363	35.534	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.730	264	563682	36.470	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.519	88	10121	11.302	ng/uL#	84
5) Pyridine	3.925	79	76904	30.058	ng/ul	96
6) Benzaldehyde	7.227	77	60595	34.313	ng/ul	91
8) Phenol	7.274	94	120078	35.150	ng/ul#	92
10) Bis(2-Chloroethyl)ether	7.509	93	86058	32.792	ng/ul	96
12) 2-Chlorophenol	7.656	128	87217	37.403	ng/ul	96
13) 2-Methylphenol	8.531	108	84528	34.667	ng/ul	93
14) 2,2'-oxybis(1-Chloropr...	8.613	45	183063	31.929	ng/ul	98
16) Acetophenone	8.919	105	150750	34.738	ng/ul	94
17) N-Nitroso-di-n-propyla...	8.895	70	80408	33.096	ng/ul#	93
18) 4-Methylphenol	8.860	108	100685	36.873	ng/ul	92
19) Hexachloroethane	9.183	117	34992	34.592	ng/ul#	72
22) Nitrobenzene	9.307	77	120291	34.649	ng/ul	97
23) Isophorone	9.824	82	246101	31.377	ng/ul	97
25) 2-Nitrophenol	10.017	139	54413	38.201	ng/ul	93
26) 2,4-Dimethylphenol	10.064	107	97740	28.672	ng/ul	97
27) Bis(2-Chloroethoxy)met...	10.305	93	136737	31.657	ng/ul	97
29) 2,4-Dichlorophenol	10.552	162	100542	39.730	ng/ul	98
30) Naphthalene	10.958	128	309721	35.062	ng/ul	96
32) 4-Chloroaniline	11.063	127	111893	29.155	ng/ul	98
33) Hexachlorobutadiene	11.228	225	72909	38.286	ng/ul	86
34) Caprolactam	11.815	113	36660m	36.976	ng/ul	
35) 4-Chloro-3-methylphenol	12.174	107	132280	39.248	ng/ul	89
36) 2-Methylnaphthalene	12.556	142	237523	37.115	ng/ul	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.773	142	239684	36.040	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.914	216	136895	35.599	ng/ul	97
40) Hexachlorocyclopentadiene	12.891	237	60606	23.675	ng/ul	98
41) 2,4,6-Trichlorophenol	13.155	196	84985	33.273	ng/ul	95
42) 2,4,5-Trichlorophenol	13.231	196	91356	32.560	ng/ul	90
43) 1,1'-Biphenyl	13.555	154	329105	33.356	ng/ul#	97
44) 2-Chloronaphthalene	13.596	162	251730	33.995	ng/ul#	93
45) 2-Nitroaniline	13.801	65	108177	36.481	ng/ul	91
47) Dimethylphthalate	14.166	163	337480	33.328	ng/ul	99
48) 2,6-Dinitrotoluene	14.289	165	74046	38.546	ng/ul	98
50) Acenaphthylene	14.442	152	405708	33.580	ng/ul	99
51) 3-Nitroaniline	14.618	138	72865	38.968	ng/ul	86
52) Acenaphthene	14.782	153	282374	33.847	ng/ul	97
53) 2,4-Dinitrophenol	14.824	184	41080	40.932	ng/ul	93
55) 4-Nitrophenol	14.924	109	78341	40.827	ng/ul#	88
56) Dibenzofuran	15.117	168	401681	34.067	ng/ul	94
57) 2,4-Dinitrotoluene	15.076	165	117607	41.746	ng/ul#	99
58) 2,3,4,6-Tetrachlorophenol	15.335	232	74185	29.281	ng/ul#	96
59) Diethylphthalate	15.523	149	359383	32.935	ng/ul	99
61) Fluorene	15.764	166	341174	34.024	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.752	204	174413	34.628	ng/ul	93
63) 4-Nitroaniline	15.781	138	72963	38.455	ng/ul	85
66) 4,6-Dinitro-2-methylph...	15.840	198	68652	41.304	ng/ul#	97
67) N-Nitrosodiphenylamine	15.963	169	283681	35.324	ng/ul	98
68) 4-Bromophenyl-phenylether	16.645	248	125807	37.710	ng/ul	97
69) Hexachlorobenzene	16.757	284	146353	38.150	ng/ul	98
70) Atrazine	16.904	200	26495	8.357	ng/ul	91
71) Pentachlorophenol	17.103	266	63349	30.043	ng/ul	93
72) Phenanthrene	17.503	178	552551	35.635	ng/ul	98
74) Anthracene	17.591	178	537525	33.544	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.519	216	139960	38.320	ng/ul	90
76) Pentachlorobenzene	15.029	250	160740	38.586	ng/ul	99
77) Carbazole	17.861	167	477562	35.412	ng/ul	98
78) Di-n-butylphthalate	18.408	149	589683	34.058	ng/ul	99
80) Fluoranthene	19.500	202	625819	34.456	ng/ul	96
82) Pyrene	19.865	202	656093	34.969	ng/ul#	96
83) Butylbenzylphthalate	20.740	149	267449	33.966	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.610	252	239699	38.614	ng/ul	96
85) Benzo(a)anthracene	21.698	228	670531	35.492	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.592	149	381922	33.802	ng/ul	100
87) Chrysene	21.763	228	620529	35.086	ng/ul	98
89) Di-n-octyl phthalate	22.814	149	665161	34.936	ng/ul	100
90) Benzo(b)fluoranthene	23.925	252	694538	35.373	ng/ul#	97
91) Benzo(k)fluoranthene	23.989	252	709587	36.241	ng/ul#	97
93) Benzo(a)pyrene	24.806	252	601348	32.343	ng/ul#	98
94) Indeno(1,2,3-cd)pyrene	28.649	276	892438m	37.561	ng/ul	
95) Dibenzo(a,h)anthracene	28.713	278	716627	36.519	ng/ul	97
96) Benzo(g,h,i)perylene	29.794	276	670275m	35.460	ng/ul	

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

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