Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091824\
Data File : BG062986.D
Acq On : 20 Sep 2024 20:44
Operator : JU/RC
Sample : SSTDCCC020EC
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD020502

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024

Quant Time: Sep 21 00:13:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Sep 18 00:45:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.852	152	46771	20.000	ng/ul		0.00
20) Naphthalene-d8	10.643	136	189778	20.000	ng/ul		0.00
38) Acenaphthene-d10	14.486	164	152116	20.000	ng/ul		0.00
64) Phenanthrene-d10	17.241	188	363786m	20.000	ng/ul		0.00
79) Chrysene-d12	21.489	240	385838	20.000	ng/ul	#	0.00
88) Perylene-d12	24.533	264	450911	20.000	ng/ul		0.02
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.334	96	10657m	6.674	ng/uL		0.00
4) Pyridine-d5	3.734	84	59492	13.724	ng/ul		0.00
7) Phenol-d5	7.030	99	89617	18.465	ng/ul		0.00
9) Bis-(2-Chloroethyl)eth...	7.189	67	49715	18.305	ng/ul		0.00
11) 2-Chlorophenol-d4	7.394	132	62063	19.478	ng/ul		0.00
15) 4-Methylphenol-d8	8.563	113	69655	19.592	ng/ul		0.00
21) Nitrobenzene-d5	9.010	128	29902	19.778	ng/ul		0.00
24) 2-Nitrophenol-d4	9.727	143	36733	21.416	ng/ul		0.00
28) 2,4-Dichlorophenol-d3	10.267	165	73198	20.569	ng/ul		0.00
31) 4-Chloroaniline-d4	10.778	131	86351	19.498	ng/ul		0.00
46) Dimethylphthalate-d6	13.892	166	216852	19.170	ng/ul		0.00
49) Acenaphthylene-d8	14.180	160	236086	18.686	ng/ul		0.00
54) 4-Nitrophenol-d4	14.692	143	25736	14.198	ng/ul		0.00
60) Fluorene-d10	15.479	176	203499	19.321	ng/ul		0.00
65) 4,6-Dinitro-2-methylph...	15.602	200	45937m	20.889	ng/ul		0.00
73) Anthracene-d10	17.335	188	328594	19.112	ng/ul		0.00
81) Pyrene-d10	19.633	212	423212	18.110	ng/ul		0.00
92) Benzo(a)pyrene-d12	24.321	264	448057	18.842	ng/ul		0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.375	88	10850	6.866	ng/uL	#	68
5) Pyridine	3.757	79	61886	14.336	ng/ul	#	90
6) Benzaldehyde	6.995	77	62901m	23.681	ng/ul		
8) Phenol	7.053	94	92630	18.296	ng/ul	#	82
10) Bis(2-Chloroethyl)ether	7.277	93	61971	18.104	ng/ul		96
12) 2-Chlorophenol	7.424	128	63663	19.465	ng/ul		97
13) 2-Methylphenol	8.293	108	65388	18.672	ng/ul		99
14) 2,2'-oxybis(1-Chloropr...	8.370	45	69444	16.351	ng/ul	#	95
16) Acetophenone	8.675	105	112413	20.101	ng/ul		97
17) N-Nitroso-di-n-propyla...	8.657	70	61954	18.972	ng/ul	#	95
18) 4-Methylphenol	8.628	108	73307	19.127	ng/ul		94
19) Hexachloroethane	8.934	117	26572	19.124	ng/ul	#	83
22) Nitrobenzene	9.051	77	96199	21.432	ng/ul	#	89
23) Isophorone	9.568	82	172882	19.341	ng/ul	#	97
25) 2-Nitrophenol	9.756	139	41522	22.045	ng/ul	#	79
26) 2,4-Dimethylphenol	9.827	107	84826	20.101	ng/ul		94
27) Bis(2-Chloroethoxy)met...	10.050	93	88647	18.655	ng/ul		99
29) 2,4-Dichlorophenol	10.297	162	73264	20.797	ng/ul		91
30) Naphthalene	10.696	128	209374	19.870	ng/ul	#	93
32) 4-Chloroaniline	10.802	127	83390	19.339	ng/ul		89
33) Hexachlorobutadiene	10.984	225	65199	23.155	ng/ul		98
34) Caprolactam	11.554	113	21975m	18.737	ng/ul		
35) 4-Chloro-3-methylphenol	11.930	107	79919	19.738	ng/ul	#	90
36) 2-Methylnaphthalene	12.306	142	144746	19.062	ng/ul		99

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	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1-Methylnaphthalene	12.523	142	148234	19.289	ng/ul	94
39)	1,2,4,5-Tetrachloroben...	12.676	216	114422	21.224	ng/ul	95
40)	Hexachlorocyclopentadiene	12.659	237	63737	22.286	ng/ul	98
41)	2,4,6-Trichlorophenol	12.917	196	66900	19.915	ng/ul	96
42)	2,4,5-Trichlorophenol	12.993	196	72386	20.510	ng/ul	99
43)	1,1'-Biphenyl	13.317	154	211979	18.760	ng/ul#	96
44)	2-Chloronaphthalene	13.358	162	176054	19.386	ng/ul	98
45)	2-Nitroaniline	13.563	65	64143	20.892	ng/ul	90
47)	Dimethylphthalate	13.939	163	222790	19.250	ng/ul	99
48)	2,6-Dinitrotoluene	14.063	165	44650	20.219	ng/ul#	77
50)	Acenaphthylene	14.210	152	248416	18.676	ng/ul	97
51)	3-Nitroaniline	14.392	138	37853	19.113	ng/ul#	89
52)	Acenaphthene	14.550	153	174047	18.015	ng/ul	94
53)	2,4-Dinitrophenol	14.603	184	22568	17.110	ng/ul	93
55)	4-Nitrophenol	14.709	109	39817	19.451	ng/ul#	83
56)	Dibenzofuran	14.885	168	241627	16.865	ng/ul	97
57)	2,4-Dinitrotoluene	14.856	165	56189	16.882	ng/ul#	81
58)	2,3,4,6-Tetrachlorophenol	15.115	232	58000	18.263	ng/ul	94
59)	Diethylphthalate	15.308	149	192820	14.974	ng/ul	99
61)	Fluorene	15.538	166	214062	19.527	ng/ul	96
62)	4-Chlorophenyl-phenyle...	15.532	204	121677	20.115	ng/ul	94
63)	4-Nitroaniline	15.555	138	38457	19.349	ng/ul#	69
66)	4,6-Dinitro-2-methylph...	15.620	198	50204m	21.341	ng/ul	
67)	N-Nitrosodiphenylamine	15.749	169	201798	19.753	ng/ul	94
68)	4-Bromophenyl-phenylether	16.425	248	87997	21.758	ng/ul	93
69)	Hexachlorobenzene	16.548	284	108547	23.246	ng/ul#	88
70)	Atrazine	16.695	200	89194	21.049	ng/ul	94
71)	Pentachlorophenol	16.889	266	53231m	19.991	ng/ul	
72)	Phenanthrene	17.283	178	373385m	19.321	ng/ul	
74)	Anthracene	17.371	178	379059	18.995	ng/ul	98
75)	1,2,3,4-Tetrachloroben...	13.287	216	116843	21.062	ng/ul	95
76)	Pentachlorobenzene	14.809	250	105406	18.003	ng/ul	98
77)	Carbazole	17.641	167	300374	18.906	ng/ul	98
78)	Di-n-butylphthalate	18.205	149	358328	17.536	ng/ul	96
80)	Fluoranthene	19.298	202	456685	17.907	ng/ul#	92
82)	Pyrene	19.662	202	485596	17.860	ng/ul#	93
83)	Butylbenzylphthalate	20.555	149	154499	16.350	ng/ul	95
84)	3,3'-Dichlorobenzidine	21.390	252	179403	20.731	ng/ul#	98
85)	Benzo(a)anthracene	21.472	228	509387	18.636	ng/ul	98
86)	Bis(2-ethylhexyl)phtha...	21.390	149	223851	16.397	ng/ul#	96
87)	Chrysene	21.536	228	478862	18.724	ng/ul	99
89)	Di-n-octyl phthalate	22.535	149	334912	14.024	ng/ul	100
90)	Benzo(b)fluoranthene	23.569	252	508701	18.531	ng/ul#	94
91)	Benzo(k)fluoranthene	23.634	252	529977	19.378	ng/ul#	97
93)	Benzo(a)pyrene	24.386	252	488749	18.939	ng/ul#	94
94)	Indeno(1,2,3-cd)pyrene	27.947	276	618767m	19.568	ng/ul	
95)	Dibenzo(a,h)anthracene	28.011	278	503497m	19.918	ng/ul	
96)	Benzo(g,h,i)perylene	29.028	276	471956m	19.438	ng/ul	

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

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