Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110423\
Data File : BG059641.D
Acq On : 5 Nov 2023 4:10
Operator : MA/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Nov 06 01:42:23 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110323.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 04 02:46:50 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020474

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/06/2023
Supervised By :mohammad ahmed 11/08/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.353	152	33893	20.000	ng/ul	0.00
20) Naphthalene-d8	11.202	136	165622	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.980	164	117061	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.730	188	291783	20.000	ng/ul	# 0.00
79) Chrysene-d12	22.066	240	264836	20.000	ng/ul	0.00
88) Perylene-d12	25.668	264	342830	20.000	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.652	96	7195	7.956	ng/uL	0.00
4) Pyridine-d5	4.081	84	66844	25.136	ng/ul	0.00
7) Phenol-d5	7.465	99	63712	18.386	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.671	67	27984	15.104	ng/ul	0.00
11) 2-Chlorophenol-d4	7.859	132	51404	21.842	ng/ul	-0.01
15) 4-Methylphenol-d8	9.040	113	55845	19.692	ng/ul	0.00
21) Nitrobenzene-d5	9.551	128	27163	22.426	ng/ul	0.00
24) 2-Nitrophenol-d4	10.274	143	31417	21.493	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.791	165	59445	22.890	ng/ul	0.00
31) 4-Chloroaniline-d4	11.343	131	88035	21.542	ng/ul	0.00
46) Dimethylphthalate-d6	14.375	166	207846	22.124	ng/ul	0.00
49) Acenaphthylene-d8	14.680	160	234634	20.944	ng/ul	0.00
54) 4-Nitrophenol-d4	15.150	143	40134	24.196	ng/ul	0.00
60) Fluorene-d10	15.967	176	185900	21.018	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.073	200	37163	20.122	ng/ul	0.00
73) Anthracene-d10	17.830	188	293616	19.227	ng/ul	0.00
81) Pyrene-d10	20.104	212	308609	18.209	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.415	264	396253	19.744	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.676	88	7751	7.502	ng/uL#	74
5) Pyridine	4.099	79	66134	23.549	ng/ul	92
6) Benzaldehyde	7.495	77	43450	19.833	ng/ul#	78
8) Phenol	7.489	94	65281	18.920	ng/ul	95
10) Bis(2-Chloroethyl)ether	7.765	93	41218	17.291	ng/ul	91
12) 2-Chlorophenol	7.900	128	47812	19.475	ng/ul#	77
13) 2-Methylphenol	8.770	108	58486	20.489	ng/ul	88
14) 2,2'-oxybis(1-Chloropr...	8.858	45	18378	17.238	ng/ul	95
16) Acetophenone	9.193	105	95502	18.982	ng/ul	98
17) N-Nitroso-di-n-propyla...	9.158	70	51276	19.290	ng/ul#	84
18) 4-Methylphenol	9.099	108	62754	20.535	ng/ul	96
19) Hexachloroethane	9.440	117	22200	20.627	ng/ul#	78
22) Nitrobenzene	9.598	77	75594	20.998	ng/ul#	85
23) Isophorone	10.098	82	150649	18.171	ng/ul#	95
25) 2-Nitrophenol	10.303	139	31850	20.241	ng/ul#	39
26) 2,4-Dimethylphenol	10.321	107	86800	21.758	ng/ul	98
27) Bis(2-Chloroethoxy)met...	10.585	93	65163	18.219	ng/ul#	96
29) 2,4-Dichlorophenol	10.826	162	57453	22.888	ng/ul	89
30) Naphthalene	11.255	128	198170	20.436	ng/ul	98
32) 4-Chloroaniline	11.367	127	84735	21.795	ng/ul	95
33) Hexachlorobutadiene	11.478	225	39855	22.573	ng/ul	93
34) Caprolactam	12.136	113	19917m	22.750	ng/ul	
35) 4-Chloro-3-methylphenol	12.430	107	74646	21.957	ng/ul	86
36) 2-Methylnaphthalene	12.830	142	143304	20.281	ng/ul	91

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	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1-Methylnaphthalene	13.047	142	151246	20.958	ng/ul	97
39)	1,2,4,5-Tetrachloroben...	13.170	216	68258	20.872	ng/ul	97
40)	Hexachlorocyclopentadiene	13.129	237	47440	20.147	ng/ul	98
41)	2,4,6-Trichlorophenol	13.411	196	49695	23.379	ng/ul#	93
42)	2,4,5-Trichlorophenol	13.482	196	55093	23.470	ng/ul#	85
43)	1,1'-Biphenyl	13.817	154	207162	20.702	ng/ul#	94
44)	2-Chloronaphthalene	13.870	162	156368	20.977	ng/ul#	88
45)	2-Nitroaniline	14.087	65	47231	25.280	ng/ul	93
47)	Dimethylphthalate	14.422	163	205239	21.464	ng/ul	98
48)	2,6-Dinitrotoluene	14.563	165	40017	23.223	ng/ul	87
50)	Acenaphthylene	14.716	152	265314	20.990	ng/ul	97
51)	3-Nitroaniline	14.904	138	43732	23.063	ng/ul#	78
52)	Acenaphthene	15.045	153	176006	21.121	ng/ul	98
53)	2,4-Dinitrophenol	15.092	184	27341	22.537	ng/ul#	72
55)	4-Nitrophenol	15.168	109	69015	23.404	ng/ul	96
56)	Dibenzofuran	15.374	168	241301	21.337	ng/ul	96
57)	2,4-Dinitrotoluene	15.339	165	60548	23.511	ng/ul#	79
58)	2,3,4,6-Tetrachlorophenol	15.579	232	53875	26.515	ng/ul	92
59)	Diethylphthalate	15.767	149	231521	23.018	ng/ul	97
61)	Fluorene	16.026	166	207721	21.400	ng/ul	91
62)	4-Chlorophenyl-phenyle...	16.008	204	102764	21.760	ng/ul	96
63)	4-Nitroaniline	16.061	138	46366	25.289	ng/ul	81
66)	4,6-Dinitro-2-methylph...	16.085	198	39769	22.187	ng/ul#	97
67)	N-Nitrosodiphenylamine	16.226	169	186888	19.537	ng/ul	97
68)	4-Bromophenyl-phenylether	16.901	248	66860	21.679	ng/ul	90
69)	Hexachlorobenzene	16.995	284	69240	23.978	ng/ul#	80
70)	Atrazine	17.160	200	69500	21.215	ng/ul#	86
71)	Pentachlorophenol	17.348	266	46955	23.310	ng/ul#	86
72)	Phenanthrene	17.777	178	337914	19.770	ng/ul	97
74)	Anthracene	17.865	178	342991	18.996	ng/ul	96
75)	1,2,3,4-Tetrachloroben...	13.776	216	69832	19.571	ng/uL#	76
76)	Pentachlorobenzene	15.268	250	77468	21.477	ng/uL	93
77)	Carbazole	18.141	167	311066	20.016	ng/ul	95
78)	Di-n-butylphthalate	18.646	149	370213	21.045	ng/ul	98
80)	Fluoranthene	19.769	202	382761	18.419	ng/ul#	93
82)	Pyrene	20.133	202	375648	17.962	ng/ul#	94
83)	Butylbenzylphthalate	20.991	149	153325	19.559	ng/ul#	85
84)	3,3'-Dichlorobenzidine	21.954	252	145577	22.230	ng/ul	90
85)	Benzo(a)anthracene	22.042	228	392119	18.887	ng/ul	95
86)	Bis(2-ethylhexyl)phtha...	21.878	149	228882	19.554	ng/ul#	96
87)	Chrysene	22.119	228	384376	20.392	ng/ul	99
89)	Di-n-octyl phthalate	23.223	149	483080	25.553	ng/ul	100
90)	Benzo(b)fluoranthene	24.504	252	501145m	21.465	ng/ul	
91)	Benzo(k)fluoranthene	24.581	252	489929	20.573	ng/ul#	93
93)	Benzo(a)pyrene	25.497	252	443524	19.649	ng/ul#	94
94)	Indeno(1,2,3-cd)pyrene	29.851	276	571980m	19.816	ng/ul	
95)	Dibenzo(a,h)anthracene	29.927	278	472920	19.746	ng/ul	98
96)	Benzo(g,h,i)perylene	31.167	276	447176m	19.733	ng/ul	

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

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