Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110624\
Data File : BG063203.D
Acq On : 7 Nov 2024 15:37
Operator : RC/JU
Sample : P4586-03MS
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Nov 07 15:34:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110624.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 06 15:45:52 2024
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
A4EE9MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.841	152	75537	20.000	ng/ul		0.00
20) Naphthalene-d8	10.626	136	365801	20.000	ng/ul	#	0.00
38) Acenaphthene-d10	14.474	164	349224	20.000	ng/ul		0.00
64) Phenanthrene-d10	17.230	188	887418	20.000	ng/ul		0.00
79) Chrysene-d12	21.478	240	914230	20.000	ng/ul		0.00
88) Perylene-d12	24.516	264	998170	20.000	ng/ul		0.00
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.305	96	1761	1.054	ng/uL		0.00
4) Pyridine-d5	3.717	84	16214	2.937	ng/ul		0.00
7) Phenol-d5	7.007	99	37219	5.460	ng/ul		0.00
9) Bis-(2-Chloroethyl)eth...	7.171	67	24014	6.006	ng/ul		0.00
11) 2-Chlorophenol-d4	7.377	132	27134	6.133	ng/ul		0.00
15) 4-Methylphenol-d8	8.546	113	26044	4.508	ng/ul		0.00
21) Nitrobenzene-d5	8.993	128	15311	5.954	ng/ul		0.00
24) 2-Nitrophenol-d4	9.709	143	19189	5.773	ng/ul		0.00
28) 2,4-Dichlorophenol-d3	10.256	165	42026	6.443	ng/ul		0.00
31) 4-Chloroaniline-d4	10.767	131	30061	3.538	ng/ul		0.00
46) Dimethylphthalate-d6	13.881	166	157259	5.749	ng/ul		0.00
49) Acenaphthylene-d8	14.169	160	165894	6.196	ng/ul		0.00
54) 4-Nitrophenol-d4	14.686	143	20987	5.604	ng/ul		0.00
60) Fluorene-d10	15.473	176	147015	6.368	ng/ul		0.00
65) 4,6-Dinitro-2-methylph...	15.597	200	26958	4.834	ng/ul		0.00
73) Anthracene-d10	17.324	188	244394	6.408	ng/ul		0.00
81) Pyrene-d10	19.621	212	226649	4.945	ng/ul		0.00
92) Benzo(a)pyrene-d12	24.310	264	152532	3.165	ng/ul		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.340	88	5725	2.784	ng/uL	#	90
5) Pyridine	3.728	79	21566	3.828	ng/ul	#	91
6) Benzaldehyde	6.983	77	5767m	1.531	ng/ul		
8) Phenol	7.036	94	64464m	8.679	ng/ul		
10) Bis(2-Chloroethyl)ether	7.259	93	34320	6.794	ng/ul	#	84
12) 2-Chlorophenol	7.406	128	38195	8.071	ng/ul	#	90
13) 2-Methylphenol	8.282	108	42663	7.863	ng/ul	#	81
14) 2,2'-oxybis(1-Chloropr...	8.358	45	49878	7.812	ng/ul		98
16) Acetophenone	8.658	105	128013	13.762	ng/ul		92
17) N-Nitroso-di-n-propyla...	8.640	70	39556	7.290	ng/ul	#	93
18) 4-Methylphenol	8.611	108	47198	7.650	ng/ul		86
19) Hexachloroethane	8.916	117	8809	4.594	ng/ul		96
22) Nitrobenzene	9.034	77	58701	7.403	ng/ul		92
23) Isophorone	9.551	82	109872	6.565	ng/ul		99
25) 2-Nitrophenol	9.745	139	22417	6.823	ng/ul		95
26) 2,4-Dimethylphenol	9.809	107	29127	4.064	ng/ul		89
27) Bis(2-Chloroethoxy)met...	10.039	93	57725	7.155	ng/ul	#	93
29) 2,4-Dichlorophenol	10.285	162	52668	8.565	ng/ul	#	88
30) Naphthalene	10.679	128	151581	8.099	ng/ul		98
32) 4-Chloroaniline	10.791	127	24832	3.054	ng/ul		97
33) Hexachlorobutadiene	10.967	225	44196	7.510	ng/ul		94
34) Caprolactam	11.531	113	17222	6.738	ng/ul		87
35) 4-Chloro-3-methylphenol	11.919	107	60675	8.223	ng/ul		87
36) 2-Methylnaphthalene	12.289	142	125269	8.444	ng/ul		93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.512	142	126910	8.227	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.665	216	91008	7.393	ng/ul	94
40) Hexachlorocyclopentadiene	12.647	237	12691	1.888	ng/ul	97
41) 2,4,6-Trichlorophenol	12.906	196	58687	8.832	ng/ul	94
42) 2,4,5-Trichlorophenol	12.982	196	65956m	9.153	ng/ul	
43) 1,1'-Biphenyl	13.305	154	186957	8.446	ng/ul	99
44) 2-Chloronaphthalene	13.346	162	137309	7.968	ng/ul	96
45) 2-Nitroaniline	13.552	65	46970	7.990	ng/ul	91
47) Dimethylphthalate	13.928	163	189330	7.218	ng/ul	99
48) 2,6-Dinitrotoluene	14.051	165	38754	7.721	ng/ul	87
50) Acenaphthylene	14.198	152	211226	7.920	ng/ul	97
51) 3-Nitroaniline	14.380	138	34728	7.927	ng/ul#	86
52) Acenaphthene	14.539	153	161304	8.450	ng/ul	91
53) 2,4-Dinitrophenol	14.592	184	16409	4.959	ng/ul#	80
55) 4-Nitrophenol	14.698	109	32744	6.727	ng/ul	94
56) Dibenzofuran	14.874	168	262758	8.992	ng/ul	96
57) 2,4-Dinitrotoluene	14.845	165	64154	8.082	ng/ul#	83
58) 2,3,4,6-Tetrachlorophenol	15.109	232	62565	8.384	ng/ul#	94
59) Diethylphthalate	15.297	149	203527	7.568	ng/ul	99
61) Fluorene	15.526	166	219880	8.891	ng/ul	94
62) 4-Chlorophenyl-phenyle...	15.520	204	127406	8.016	ng/ul	96
63) 4-Nitroaniline	15.544	138	37456	8.447	ng/ul	86
66) 4,6-Dinitro-2-methylph...	15.608	198	41530	7.175	ng/ul	95
67) N-Nitrosodiphenylamine	15.732	169	170776	8.626	ng/ul	98
68) 4-Bromophenyl-phenylether	16.413	248	85957	8.473	ng/ul	88
69) Hexachlorobenzene	16.537	284	51412	4.757	ng/ul	98
70) Atrazine	16.684	200	85626	7.906	ng/ul	96
71) Pentachlorophenol	16.883	266	29384	5.423	ng/ul#	85
72) Phenanthrene	17.271	178	595013	14.675	ng/ul	98
74) Anthracene	17.359	178	379135	9.128	ng/ul	95
75) 1,2,3,4-Tetrachloroben...	13.270	216	88773	7.736	ng/ul	96
76) Pentachlorobenzene	14.804	250	84893	6.937	ng/ul	97
77) Carbazole	17.630	167	247362	7.173	ng/ul	99
78) Di-n-butylphthalate	18.194	149	348804	8.892	ng/ul	98
80) Fluoranthene	19.287	202	817643	16.503	ng/ul	99
82) Pyrene	19.651	202	498176	9.486	ng/ul	99
83) Butylbenzylphthalate	20.550	149	157208	10.243	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.384	252	122034	6.208	ng/ul#	97
85) Benzo(a)anthracene	21.460	228	680300	11.764	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.378	149	240588	10.762	ng/ul	99
87) Chrysene	21.525	228	641498	11.898	ng/ul	98
89) Di-n-octyl phthalate	22.524	149	399333	10.152	ng/ul	100
90) Benzo(b)fluoranthene	23.558	252	683584	11.382	ng/ul	95
91) Benzo(k)fluoranthene	23.617	252	595308	9.952	ng/ul	99
93) Benzo(a)pyrene	24.369	252	225246	4.055	ng/ul#	92
94) Indeno(1,2,3-cd)pyrene	27.941	276	412054	6.047	ng/ul#	95
95) Dibenzo(a,h)anthracene	27.988	278	498289	8.969	ng/ul	96
96) Benzo(g,h,i)perylene	28.993	276	48188m	0.933	ng/ul	

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

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