Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072324\
Data File : BG062203.D
Acq On : 24 Jul 2024 2:46
Operator : MA/JU
Sample : PB162100BS
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jul 24 03:54:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071924.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 19 14:38:52 2024
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SLCS100

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/25/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.069	152	43933	20.000	ng/ul		0.00
20) Naphthalene-d8	10.877	136	195246	20.000	ng/ul	#	0.00
38) Acenaphthene-d10	14.696	164	166102	20.000	ng/ul		0.00
64) Phenanthrene-d10	17.439	188	404104	20.000	ng/ul		0.00
79) Chrysene-d12	21.704	240	382047	20.000	ng/ul		0.00
88) Perylene-d12	24.947	264	396780	20.000	ng/ul		0.01
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.452	96	5113m	5.434	ng/uL		0.00
4) Pyridine-d5	3.881	84	84682	24.768	ng/ul		0.00
7) Phenol-d5	7.253	99	115686	26.747	ng/ul		0.01
9) Bis-(2-Chloroethyl)eth...	7.388	67	59999	24.144	ng/ul		0.00
11) 2-Chlorophenol-d4	7.605	132	70100	25.718	ng/ul		0.00
15) 4-Methylphenol-d8	8.792	113	85197	25.865	ng/ul		0.00
21) Nitrobenzene-d5	9.244	128	38357	24.658	ng/ul		0.00
24) 2-Nitrophenol-d4	9.961	143	49744	26.569	ng/ul		0.00
28) 2,4-Dichlorophenol-d3	10.513	165	108778	27.754	ng/ul		0.00
31) 4-Chloroaniline-d4	11.024	131	105879	22.457	ng/ul		0.00
46) Dimethylphthalate-d6	14.097	166	336855	23.926	ng/ul		0.00
49) Acenaphthylene-d8	14.396	160	370109	25.926	ng/ul		0.00
54) 4-Nitrophenol-d4	14.937	143	29349	17.299	ng/ul		0.02
60) Fluorene-d10	15.689	176	305633	25.497	ng/ul		0.00
65) 4,6-Dinitro-2-methylph...	15.818	200	38002	14.798	ng/ul		0.00
73) Anthracene-d10	17.539	188	495078	26.227	ng/ul		0.00
81) Pyrene-d10	19.824	212	607493	28.045	ng/ul		0.00
92) Benzo(a)pyrene-d12	24.718	264	565953	28.534	ng/ul		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.493	88	9948m	8.065	ng/uL		
5) Pyridine	3.905	79	84892	24.265	ng/ul		91
6) Benzaldehyde	7.212	77	55307	24.356	ng/ul		97
8) Phenol	7.282	94	116673	27.341	ng/ul		97
10) Bis(2-Chloroethyl)ether	7.488	93	73000	24.836	ng/ul		85
12) 2-Chlorophenol	7.641	128	73095	26.413	ng/ul		94
13) 2-Methylphenol	8.528	108	87340	27.316	ng/ul		96
14) 2,2'-oxybis(1-Chloropr...	8.586	45	135346	26.020	ng/ul		97
16) Acetophenone	8.898	105	144361	25.103	ng/ul		93
17) N-Nitroso-di-n-propyla...	8.874	70	78836	23.958	ng/ul		90
18) 4-Methylphenol	8.857	108	95151	26.987	ng/ul		98
19) Hexachloroethane	9.145	117	32419	26.168	ng/ul	#	76
22) Nitrobenzene	9.285	77	122621	24.376	ng/ul		98
23) Isophorone	9.802	82	234015	22.933	ng/ul		99
25) 2-Nitrophenol	9.996	139	49242	24.869	ng/ul	#	73
26) 2,4-Dimethylphenol	10.061	107	103832	21.853	ng/ul		96
27) Bis(2-Chloroethoxy)met...	10.278	93	113198	23.838	ng/ul		94
29) 2,4-Dichlorophenol	10.543	162	100123	26.890	ng/ul		90
30) Naphthalene	10.930	128	272756	25.896	ng/ul		98
32) 4-Chloroaniline	11.048	127	94894	21.412	ng/ul	#	86
33) Hexachlorobutadiene	11.201	225	91479	25.856	ng/ul		96
34) Caprolactam	11.829	113	30632m	24.093	ng/ul		
35) 4-Chloro-3-methylphenol	12.187	107	121247	27.156	ng/ul	#	96
36) 2-Methylnaphthalene	12.528	142	207346	26.077	ng/ul		86

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.751	142	206805	25.224	ng/ul#	99
39) 1,2,4,5-Tetrachloroben...	12.892	216	182662	27.271	ng/ul#	96
40) Hexachlorocyclopentadiene	12.863	237	31310	9.531	ng/ul	91
41) 2,4,6-Trichlorophenol	13.145	196	92445	24.605	ng/ul	92
42) 2,4,5-Trichlorophenol	13.227	196	99854	24.416	ng/ul	95
43) 1,1'-Biphenyl	13.533	154	317513	27.005	ng/ul	99
44) 2-Chloronaphthalene	13.580	162	252170	26.085	ng/ul	97
45) 2-Nitroaniline	13.791	65	93412	26.221	ng/ul	93
47) Dimethylphthalate	14.144	163	322445	24.052	ng/ul	97
48) 2,6-Dinitrotoluene	14.279	165	70864	25.812	ng/ul#	92
50) Acenaphthylene	14.426	152	401757	25.815	ng/ul	98
51) 3-Nitroaniline	14.614	138	61695	27.818	ng/ul#	98
52) Acenaphthene	14.760	153	264183	25.573	ng/ul	99
55) 4-Nitrophenol	14.954	109	45571	17.549	ng/ul	91
56) Dibenzofuran	15.095	168	401775	25.828	ng/ul	96
57) 2,4-Dinitrotoluene	15.066	165	102835	24.411	ng/ul#	92
58) 2,3,4,6-Tetrachlorophenol	15.330	232	52235	14.517	ng/ul#	91
59) Diethylphthalate	15.501	149	319147	24.078	ng/ul	98
61) Fluorene	15.747	166	331231	24.831	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.730	204	212138	25.681	ng/ul	99
63) 4-Nitroaniline	15.777	138	65908	27.772	ng/ul	90
66) 4,6-Dinitro-2-methylph...	15.830	198	37572	15.583	ng/ul#	92
67) N-Nitrosodiphenylamine	15.947	169	276292	27.950	ng/ul	97
68) 4-Bromophenyl-phenylether	16.623	248	135721	28.842	ng/ul	97
69) Hexachlorobenzene	16.740	284	136710	27.377	ng/ul	96
70) Atrazine	16.887	200	19975	4.010	ng/ul#	86
72) Phenanthrene	17.486	178	517585	26.616	ng/ul	96
74) Anthracene	17.574	178	525048	26.227	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.497	216	187407	32.378	ng/ul	93
76) Pentachlorobenzene	15.013	250	172863	30.176	ng/ul	96
77) Carbazole	17.850	167	452291	26.572	ng/ul	97
78) Di-n-butylphthalate	18.385	149	501180	25.683	ng/ul	98
80) Fluoranthene	19.489	202	704842	28.365	ng/ul	99
82) Pyrene	19.854	202	724408	28.037	ng/ul	99
83) Butylbenzylphthalate	20.717	149	214582	27.988	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.598	252	250151	30.169	ng/ul	98
85) Benzo(a)anthracene	21.686	228	733069	27.337	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.563	149	300021	27.297	ng/ul#	96
87) Chrysene	21.751	228	668071	27.099	ng/ul	98
89) Di-n-octyl phthalate	22.779	149	516961	28.321	ng/ul	100
90) Benzo(b)fluoranthene	23.913	252	679520m	27.720	ng/ul	
91) Benzo(k)fluoranthene	23.977	252	680649	27.815	ng/ul	98
93) Benzo(a)pyrene	24.794	252	604886	26.348	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.648	276	751718	28.499	ng/ul	97
95) Dibenzo(a,h)anthracene	28.695	278	612116	27.987	ng/ul	99
96) Benzo(g,h,i)perylene	29.811	276	578303m	27.386	ng/ul	

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

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