Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120924\
Data File : BG063609.D
Acq On : 9 Dec 2024 19:32
Operator : RC/JU
Sample : P5066-22MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 10 01:41:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG120624.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 06 15:14:46 2024
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
E28N8MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/11/2024
Supervised By :mohammad ahmed 12/11/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.825	152	182706	20.000	ng/ul	0.00
20) Naphthalene-d8	10.615	136	809018	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.464	164	606227	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.219	188	1290513	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.479	240	1126981	20.000	ng/ul	# 0.00
88) Perylene-d12	24.517	264	1227688	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.289	96	14410	3.482	ng/uL	0.00
4) Pyridine-d5	3.694	84	214848	14.033	ng/ul	0.00
7) Phenol-d5	7.002	99	243953	13.561	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.155	67	224892	18.490	ng/ul	0.00
11) 2-Chlorophenol-d4	7.360	132	107690	10.163	ng/ul	0.00
15) 4-Methylphenol-d8	8.535	113	243234	18.237	ng/ul	0.00
21) Nitrobenzene-d5	8.982	128	108714	19.144	ng/ul	0.01
24) 2-Nitrophenol-d4	9.699	143	37854	5.825	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.239	165	136413	9.750	ng/ul	0.00
31) 4-Chloroaniline-d4	10.751	131	289308	17.110	ng/ul	0.00
46) Dimethylphthalate-d6	13.870	166	875146	19.863	ng/ul	0.00
49) Acenaphthylene-d8	14.158	160	1002112	20.808	ng/ul	0.00
54) 4-Nitrophenol-d4	14.681	143	22765	4.035	ng/ul	0.00
60) Fluorene-d10	15.463	176	739268	17.022	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.598	200	16415	2.252	ng/ul	0.01
73) Anthracene-d10	17.319	188	1144575	19.424	ng/ul	0.00
81) Pyrene-d10	19.617	212	1244476	19.922	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.311	264	1138990	18.472	ng/ul	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.324	88	49503	8.983	ng/uL#	83
5) Pyridine	3.712	79	311183	19.573	ng/ul	90
6) Benzaldehyde	6.967	77	89522	7.777	ng/ul	98
8) Phenol	7.025	94	529363	27.375	ng/ul	91
10) Bis(2-Chloroethyl)ether	7.249	93	342565	25.640	ng/ul	91
12) 2-Chlorophenol	7.390	128	295463	27.553	ng/ul	97
13) 2-Methylphenol	8.271	108	351351	26.038	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.342	45	542054	30.171	ng/ul#	92
16) Acetophenone	8.641	105	609874	24.839	ng/ul	93
17) N-Nitroso-di-n-propyla...	8.624	70	348440	24.908	ng/ul#	94
18) 4-Methylphenol	8.600	108	388380	26.211	ng/ul	96
19) Hexachloroethane	8.900	117	145351	25.365	ng/ul	99
22) Nitrobenzene	9.017	77	522102	22.729	ng/ul#	90
23) Isophorone	9.540	82	961327	23.212	ng/ul	97
25) 2-Nitrophenol	9.734	139	175365	27.084	ng/ul#	82
26) 2,4-Dimethylphenol	9.799	107	399550	22.644	ng/ul#	83
27) Bis(2-Chloroethoxy)met...	10.022	93	514924	26.610	ng/ul	97
29) 2,4-Dichlorophenol	10.269	162	350225m	24.971	ng/ul	
30) Naphthalene	10.662	128	1149890	27.611	ng/ul	96
32) 4-Chloroaniline	10.774	127	136500	8.522	ng/ul	97
33) Hexachlorobutadiene	10.950	225	294543	20.353	ng/ul	94
34) Caprolactam	11.532	113	115754m	25.211	ng/ul	
35) 4-Chloro-3-methylphenol	11.914	107	440649	25.186	ng/ul#	84
36) 2-Methylnaphthalene	12.278	142	848458	26.426	ng/ul	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.496	142	858482	26.371	ng/ul#	96
39) 1,2,4,5-Tetrachloroben...	12.654	216	563969	23.929	ng/ul	96
40) Hexachlorocyclopentadiene	12.631	237	192193	19.534	ng/ul	93
41) 2,4,6-Trichlorophenol	12.895	196	299858	25.798	ng/ul	98
42) 2,4,5-Trichlorophenol	12.971	196	335785	26.777	ng/ul	88
43) 1,1'-Biphenyl	13.295	154	1168774	29.044	ng/ul#	94
44) 2-Chloronaphthalene	13.336	162	935852	28.217	ng/ul	97
45) 2-Nitroaniline	13.541	65	317696	29.322	ng/ul	89
47) Dimethylphthalate	13.917	163	1163196	26.095	ng/ul	98
48) 2,6-Dinitrotoluene	14.041	165	216870	26.369	ng/ul	92
50) Acenaphthylene	14.188	152	1444238	28.517	ng/ul	99
51) 3-Nitroaniline	14.370	138	186699	26.935	ng/ul	91
52) Acenaphthene	14.528	153	1040634	28.299	ng/ul	97
53) 2,4-Dinitrophenol	14.593	184	99123	24.416	ng/ul	89
55) 4-Nitrophenol	14.693	109	181420	20.930	ng/ul#	84
56) Dibenzofuran	14.863	168	1462804	25.739	ng/ul	96
57) 2,4-Dinitrotoluene	14.834	165	318235	24.535	ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	15.098	232	248999	21.230	ng/ul#	92
59) Diethylphthalate	15.286	149	1130196	26.020	ng/ul	95
61) Fluorene	15.515	166	1104896	23.869	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.510	204	629223	21.107	ng/ul	95
63) 4-Nitroaniline	15.539	138	214961	28.839	ng/ul	86
66) 4,6-Dinitro-2-methylph...	15.610	198	188964	25.960	ng/ul#	99
67) N-Nitrosodiphenylamine	15.727	169	972474	32.177	ng/ul	94
68) 4-Bromophenyl-phenylether	16.403	248	406013	26.626	ng/ul	88
69) Hexachlorobenzene	16.532	284	428207	26.087	ng/ul	98
71) Pentachlorophenol	16.879	266	170297m	29.507	ng/ul	
72) Phenanthrene	17.261	178	1805523	28.403	ng/ul	97
74) Anthracene	17.355	178	1794746	27.341	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.259	216	549473	30.169	ng/ul	96
76) Pentachlorobenzene	14.787	250	538904	28.321	ng/ul	97
77) Carbazole	17.625	167	1562195	29.704	ng/ul	99
78) Di-n-butylphthalate	18.183	149	1684857	30.010	ng/ul	98
80) Fluoranthene	19.282	202	2065337	29.418	ng/ul#	94
82) Pyrene	19.646	202	2158087	28.917	ng/ul#	90
83) Butylbenzylphthalate	20.545	149	590170	37.552	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.379	252	619991	32.137	ng/ul#	95
85) Benzo(a)anthracene	21.461	228	2107477	27.728	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.373	149	886124	37.503	ng/ul	96
87) Chrysene	21.520	228	1966883	27.548	ng/ul	99
89) Di-n-octyl phthalate	22.519	149	1585860	36.962	ng/ul	100
90) Benzo(b)fluoranthene	23.559	252	2077907	27.246	ng/ul#	97
91) Benzo(k)fluoranthene	23.618	252	2102450	27.734	ng/ul#	94
93) Benzo(a)pyrene	24.376	252	1950317	27.266	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	27.948	276	2466740	28.588	ng/ul#	92
95) Dibenzo(a,h)anthracene	27.995	278	2021300	29.209	ng/ul#	91
96) Benzo(g,h,i)perylene	29.017	276	1931613	29.455	ng/ul#	93

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

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