Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122624\
Data File : BG063838.D
Acq On : 26 Dec 2024 17:01
Operator : RC/JU
Sample : P5331-03MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 27 02:26:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 24 00:44:39 2024
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
E2AQ1MSD

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 12/27/2024
Supervised By :mohammad ahmed 12/30/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.794	152	70917	20.000	ng/ul	0.00
20) Naphthalene-d8	10.584	136	293158	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.439	164	233884	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.194	188	574757	20.000	ng/ul	0.00
79) Chrysene-d12	21.442	240	577534	20.000	ng/ul	0.00
88) Perylene-d12	24.456	264	617721	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	11000	6.078	ng/uL	0.00
4) Pyridine-d5	3.663	84	164963	28.896	ng/ul	0.00
7) Phenol-d5	6.989	99	208832	31.974	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.130	67	126647	28.075	ng/ul	0.00
11) 2-Chlorophenol-d4	7.335	132	132909	31.432	ng/ul	0.00
15) 4-Methylphenol-d8	8.516	113	163838	32.310	ng/ul	0.00
21) Nitrobenzene-d5	8.957	128	72267	34.525	ng/ul	0.00
24) 2-Nitrophenol-d4	9.674	143	87285	37.201	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.220	165	166434	36.637	ng/ul	0.00
31) 4-Chloroaniline-d4	10.725	131	181429	31.454	ng/ul	0.00
46) Dimethylphthalate-d6	13.845	166	566995	35.627	ng/ul	0.00
49) Acenaphthylene-d8	14.133	160	616296	33.971	ng/ul	0.00
54) 4-Nitrophenol-d4	14.674	143	93780	41.589	ng/ul	0.00
60) Fluorene-d10	15.438	176	508649	36.149	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.573	200	102070	34.204	ng/ul	0.00
73) Anthracene-d10	17.294	188	885039	35.816	ng/ul	0.00
81) Pyrene-d10	19.591	212	999783	33.267	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.251	264	948233	32.688	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.293	88	36452	17.021	ng/uL	96
5) Pyridine	3.681	79	257619	42.131	ng/ul	93
6) Benzaldehyde	6.942	77	22802	5.691	ng/ul	95
8) Phenol	7.012	94	303438	43.592	ng/ul	97
10) Bis(2-Chloroethyl)ether	7.224	93	206277	38.732	ng/ul	98
12) 2-Chlorophenol	7.370	128	187728	43.860	ng/ul	94
13) 2-Methylphenol	8.252	108	216818	43.096	ng/ul	93
14) 2,2'-oxybis(1-Chloropr...	8.316	45	315316	39.881	ng/ul	95
16) Acetophenone	8.616	105	347463	40.398	ng/ul	94
17) N-Nitroso-di-n-propyla...	8.598	70	200792	39.125	ng/ul	93
18) 4-Methylphenol	8.581	108	247118	44.880	ng/ul	94
19) Hexachloroethane	8.869	117	78654	37.399	ng/ul	85
22) Nitrobenzene	8.992	77	310344	44.399	ng/ul	95
23) Isophorone	9.515	82	571132	43.245	ng/ul	100
25) 2-Nitrophenol	9.703	139	113339	47.002	ng/ul	91
26) 2,4-Dimethylphenol	9.774	107	248494	45.414	ng/ul	97
27) Bis(2-Chloroethoxy)met...	9.997	93	307194	43.005	ng/ul#	96
29) 2,4-Dichlorophenol	10.249	162	217231	48.126	ng/ul	96
30) Naphthalene	10.637	128	646154	44.085	ng/ul	97
32) 4-Chloroaniline	10.749	127	156499	28.517	ng/ul	94
33) Hexachlorobutadiene	10.919	225	140610	38.344	ng/ul	97
34) Caprolactam	11.507	113	80529m	51.610	ng/ul	
35) 4-Chloro-3-methylphenol	11.895	107	259914	49.047	ng/ul	97
36) 2-Methylnaphthalene	12.253	142	467779	44.406	ng/ul	98

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	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1-Methylnaphthalene	12.470	142	484060	45.112	ng/ul	95
39)	1,2,4,5-Tetrachloroben...	12.629	216	282701	37.757	ng/ul	96
40)	Hexachlorocyclopentadiene	12.606	237	58867	19.889	ng/ul	95
41)	2,4,6-Trichlorophenol	12.876	196	188230	44.481	ng/ul	94
42)	2,4,5-Trichlorophenol	12.958	196	207306	46.940	ng/ul	95
43)	1,1'-Biphenyl	13.269	154	663855	43.040	ng/ul	93
44)	2-Chloronaphthalene	13.311	162	535495	43.234	ng/ul	97
45)	2-Nitroaniline	13.522	65	207779	50.081	ng/ul	93
47)	Dimethylphthalate	13.892	163	727985	45.642	ng/ul	99
48)	2,6-Dinitrotoluene	14.022	165	148810	50.236	ng/ul	91
50)	Acenaphthylene	14.163	152	871276	44.790	ng/ul	97
51)	3-Nitroaniline	14.351	138	149026	54.414	ng/ul	95
52)	Acenaphthene	14.503	153	639153	46.357	ng/ul	96
53)	2,4-Dinitrophenol	14.574	184	73888	48.809	ng/ul	96
55)	4-Nitrophenol	14.691	109	105793	45.183	ng/ul	87
56)	Dibenzofuran	14.838	168	917169	47.183	ng/ul	95
57)	2,4-Dinitrotoluene	14.815	165	233379	53.022	ng/ul	95
58)	2,3,4,6-Tetrachlorophenol	15.079	232	174408	45.814	ng/ul	93
59)	Diethylphthalate	15.261	149	716311	46.456	ng/ul	98
61)	Fluorene	15.490	166	731291	47.114	ng/ul	95
62)	4-Chlorophenyl-phenyle...	15.485	204	373932	43.243	ng/ul	98
63)	4-Nitroaniline	15.520	138	170642	62.236	ng/ul	93
66)	4,6-Dinitro-2-methylph...	15.590	198	143320	46.619	ng/ul	94
67)	N-Nitrosodiphenylamine	15.702	169	650283	46.722	ng/ul	98
68)	4-Bromophenyl-phenylether	16.383	248	257399	43.943	ng/ul	97
69)	Hexachlorobenzene	16.507	284	287216	43.765	ng/ul	97
70)	Atrazine	16.654	200	263007	44.704	ng/ul	95
71)	Pentachlorophenol	16.854	266	109990	39.750	ng/ul	97
72)	Phenanthrene	17.235	178	1324250	47.811	ng/ul	99
74)	Anthracene	17.324	178	1330017	47.444	ng/ul	100
75)	1,2,3,4-Tetrachloroben...	13.234	216	290777	37.918	ng/ul	96
76)	Pentachlorobenzene	14.768	250	323233	42.547	ng/ul	96
77)	Carbazole	17.600	167	1167610	51.454	ng/ul	97
78)	Di-n-butylphthalate	18.158	149	1346743	49.142	ng/ul	99
80)	Fluoranthene	19.257	202	1588204	46.495	ng/ul	97
82)	Pyrene	19.621	202	1671147	45.984	ng/ul#	94
83)	Butylbenzylphthalate	20.514	149	583024	52.261	ng/ul	99
84)	3,3'-Dichlorobenzidine	21.348	252	430824	41.323	ng/ul	94
85)	Benzo(a)anthracene	21.425	228	1617413	44.687	ng/ul	99
86)	Bis(2-ethylhexyl)phtha...	21.336	149	854614	52.662	ng/ul	97
87)	Chrysene	21.489	228	1529601	44.340	ng/ul	97
89)	Di-n-octyl phthalate	22.470	149	1494757	56.063	ng/ul	100
90)	Benzo(b)fluoranthene	23.505	252	1626407	46.325	ng/ul	99
91)	Benzo(k)fluoranthene	23.569	252	1626041m	46.431	ng/ul	
93)	Benzo(a)pyrene	24.321	252	1510170	45.827	ng/ul	97
94)	Indeno(1,2,3-cd)pyrene	27.870	276	1909403	47.445	ng/ul#	93
95)	Dibenzo(a,h)anthracene	27.911	278	1527850	47.446	ng/ul	96
96)	Benzo(g,h,i)perylene	28.933	276	1497547m	46.894	ng/ul	

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

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