Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072523\
Data File : BG058449.D
Acq On : 25 Jul 2023 16:52
Operator : CG/JU
Sample : 03534-24MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 26 00:25:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 24 22:10:54 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
A4737MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.813	152	34410	20.000	ng/ul	0.00
20) Naphthalene-d8	10.615	136	157146	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.458	164	124903	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.208	188	335961	20.000	ng/ul	0.00
79) Chrysene-d12	21.444	240	300100	20.000	ng/ul	0.00
88) Perylene-d12	24.511	264	356121	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.236	96	591	0.632	ng/uL	0.00
4) Pyridine-d5	3.647	84	24550	8.847	ng/ul	0.00
7) Phenol-d5	6.984	99	6732	2.062	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.149	67	6634	3.252	ng/ul	0.00
11) 2-Chlorophenol-d4	7.349	132	5227	2.288	ng/ul	0.00
15) 4-Methylphenol-d8	8.612	113	2135	0.857	ng/ul	0.08
21) Nitrobenzene-d5	8.982	128	3463	2.940	ng/ul	0.00
24) 2-Nitrophenol-d4	9.705	143	3808	2.961	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.245	165	4050m	1.643	ng/ul	0.00
31) 4-Chloroaniline-d4	10.786	131	118	0.033	ng/ul	0.03
46) Dimethylphthalate-d6	13.864	166	30537	3.171	ng/ul	0.00
49) Acenaphthylene-d8	14.152	160	31076	3.079	ng/ul	0.00
54) 4-Nitrophenol-d4	14.699	143	1307	0.899	ng/ul	0.02
60) Fluorene-d10	15.451	176	29195	3.661	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.580	200	3422	1.999	ng/ul	0.00
73) Anthracene-d10	17.308	188	30637	2.111	ng/ul	0.00
81) Pyrene-d10	19.593	212	51031	2.879	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.299	264	16276	0.946	ng/ul	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.271	88	2340	2.207	ng/uL#	73
6) Benzaldehyde	6.955	77	9625m	7.301	ng/ul	
8) Phenol	7.014	94	10417	3.073	ng/ul#	89
10) Bis(2-Chloroethyl)ether	7.237	93	10103	3.890	ng/ul	98
12) 2-Chlorophenol	7.378	128	7123	2.978	ng/ul	92
14) 2,2'-oxybis(1-Chloropr...	8.342	45	18125	4.259	ng/ul	98
16) Acetophenone	8.641	105	22856	5.390	ng/ul	97
17) N-Nitroso-di-n-propyla...	8.612	70	11263	4.853	ng/ul	99
19) Hexachloroethane	8.894	117	2918	3.095	ng/ul	85
22) Nitrobenzene	9.017	77	10693	3.404	ng/ul	92
23) Isophorone	9.540	82	26521	3.766	ng/ul	97
25) 2-Nitrophenol	9.734	139	4942	3.598	ng/ul	92
27) Bis(2-Chloroethoxy)met...	10.028	93	12753	3.419	ng/ul	99
29) 2,4-Dichlorophenol	10.275	162	4610m	1.970	ng/ul	
30) Naphthalene	10.668	128	33710	4.013	ng/ul	96
33) Hexachlorobutadiene	10.950	225	7305	4.366	ng/ul	96
34) Caprolactam	11.532	113	2535m	2.609	ng/ul	
36) 2-Methylnaphthalene	12.284	142	23625	4.198	ng/ul	100
37) 1-Methylnaphthalene	12.501	142	25458	4.414	ng/ul#	95
39) 1,2,4,5-Tetrachloroben...	12.648	216	13612	3.765	ng/ul	95
40) Hexachlorocyclopentadiene	12.625	237	3368	1.732	ng/ul	92
42) 2,4,5-Trichlorophenol	12.977	196	8878	3.402	ng/ul	88
43) 1,1'-Biphenyl	13.295	154	33521	3.969	ng/ul	98
44) 2-Chloronaphthalene	13.336	162	25963	3.866	ng/ul	97

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	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45)	2-Nitroaniline	13.553	65	7265	3.115	ng/ul	96
47)	Dimethylphthalate	13.912	163	47798	4.941	ng/ul	100
48)	2,6-Dinitrotoluene	14.041	165	7500	4.012	ng/ul	96
50)	Acenaphthylene	14.182	152	41741	3.831	ng/ul	98
51)	3-Nitroaniline	14.382	138	1654m	1.062	ng/ul	
52)	Acenaphthene	14.523	153	33303	4.402	ng/ul	98
53)	2,4-Dinitrophenol	14.599	184	1220m	1.226	ng/ul	
55)	4-Nitrophenol	14.716	109	3043m	2.716	ng/ul	
56)	Dibenzofuran	14.863	168	47555	4.415	ng/ul	96
57)	2,4-Dinitrotoluene	14.834	165	9911	3.676	ng/ul#	98
58)	2,3,4,6-Tetrachlorophenol	15.092	232	3924	1.627	ng/ul#	92
59)	Diethylphthalate	15.275	149	43243	4.339	ng/ul	98
61)	Fluorene	15.510	166	40992	4.641	ng/ul	99
62)	4-Chlorophenyl-phenyle...	15.504	204	20867	4.450	ng/ul	98
63)	4-Nitroaniline	15.563	138	1713m	1.215	ng/ul	
66)	4,6-Dinitro-2-methylph...	15.592	198	4278	2.429	ng/ul#	91
68)	4-Bromophenyl-phenylether	16.397	248	14865	4.177	ng/ul	95
69)	Hexachlorobenzene	16.514	284	11158	2.779	ng/ul#	94
70)	Atrazine	16.661	200	11085	3.395	ng/ul	91
72)	Phenanthrene	17.249	178	84389	5.286	ng/ul	98
74)	Anthracene	17.337	178	40421	2.522	ng/ul	98
75)	1,2,3,4-Tetrachloroben...	13.259	216	13073	3.102	ng/uL	95
76)	Pentachlorobenzene	14.781	250	14662	3.182	ng/uL	93
77)	Carbazole	17.613	167	43829	3.155	ng/ul	99
78)	Di-n-butylphthalate	18.165	149	90267	5.113	ng/ul	98
80)	Fluoranthene	19.264	202	116181	5.722	ng/ul	98
82)	Pyrene	19.622	202	82052	3.988	ng/ul	98
83)	Butylbenzylphthalate	20.510	149	43665	5.390	ng/ul	95
85)	Benzo(a)anthracene	21.426	228	94111	4.666	ng/ul	98
86)	Bis(2-ethylhexyl)phtha...	21.332	149	78921	6.849	ng/ul	100
87)	Chrysene	21.491	228	98808	5.164	ng/ul	98
89)	Di-n-octyl phthalate	22.484	149	103508	5.463	ng/ul	100
90)	Benzo(b)fluoranthene	23.535	252	103044	5.001	ng/ul	97
91)	Benzo(k)fluoranthene	23.600	252	93984	4.573	ng/ul	98
93)	Benzo(a)pyrene	24.364	252	19566	1.068	ng/ul#	90
94)	Indeno(1,2,3-cd)pyrene	27.995	276	73473m	3.043	ng/ul	
95)	Dibenzo(a,h)anthracene	28.054	278	89653m	4.528	ng/ul	

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

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