Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122923\
Data File : BM043670.D
Acq On : 29 Dec 2023 11:21
Operator : MA/JU
Sample : 05920-04MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GCF56MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 01/01/2024
Supervised By :mohammad ahmed 01/01/2024

Quant Time: Dec 29 22:54:18 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM121523.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 29 22:31:57 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.957	152	195499	20.000	ng/ul	0.00
20) Naphthalene-d8	10.769	136	865736	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.592	164	472354	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.339	188	907007	20.000	ng/ul	0.00
79) Chrysene-d12	21.521	240	732725	20.000	ng/ul	0.00
88) Perylene-d12	23.933	264	806846	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.369	96	19305	3.209	ng/uL	0.00
4) Pyridine-d5	3.804	84	76977	4.446	ng/ul	0.02
7) Phenol-d5	7.116	99	204096	9.177	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.298	67	261214	18.546	ng/ul	0.00
11) 2-Chlorophenol-d4	7.487	132	249878	14.716	ng/ul	0.00
15) 4-Methylphenol-d8	8.669	113	248496	14.399	ng/ul	0.00
21) Nitrobenzene-d5	9.134	128	148064	17.677	ng/ul	0.00
24) 2-Nitrophenol-d4	9.851	143	155742	17.995	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.386	165	178066	11.655	ng/ul	0.00
31) 4-Chloroaniline-d4	10.922	131	52592	2.340	ng/ul	0.01
46) Dimethylphthalate-d6	14.016	166	748554	17.604	ng/ul	0.00
49) Acenaphthylene-d8	14.286	160	462793	9.175	ng/ul	0.00
54) 4-Nitrophenol-d4	14.798	143	132720	16.491	ng/ul	0.00
60) Fluorene-d10	15.586	176	636378	18.099	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.710	200	98387	16.402	ng/ul	0.00
73) Anthracene-d10	17.439	188	531946	10.458	ng/ul	0.00
81) Pyrene-d10	19.727	212	104651	1.809	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.774	264	44668	0.897	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.404	88	45785	6.889	ng/uL#	94
5) Pyridine	3.828	79	51189m	2.859	ng/ul	
6) Benzaldehyde	7.104	77	303287m	28.761	ng/ul	
8) Phenol	7.145	94	318043	14.536	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.392	93	364558	20.524	ng/ul	99
12) 2-Chlorophenol	7.516	128	277170	16.024	ng/ul	98
13) 2-Methylphenol	8.404	108	258304	15.548	ng/ul	97
14) 2,2'-oxybis(1-Chloropr...	8.487	45	637210	21.363	ng/ul	97
16) Acetophenone	8.792	105	1025345	38.807	ng/ul	97
17) N-Nitroso-di-n-propyla...	8.775	70	295624	18.746	ng/ul	94
18) 4-Methylphenol	8.734	108	299527	16.635	ng/ul	98
19) Hexachloroethane	9.034	117	11380	1.560	ng/ul	88
22) Nitrobenzene	9.175	77	425157	20.510	ng/ul	98
23) Isophorone	9.698	82	783830	18.641	ng/ul	99
25) 2-Nitrophenol	9.881	139	185337	20.150	ng/ul	97
26) 2,4-Dimethylphenol	9.939	107	123738	7.552	ng/ul	99
27) Bis(2-Chloroethoxy)met...	10.186	93	480591	19.356	ng/ul	100
29) 2,4-Dichlorophenol	10.410	162	181935	12.271	ng/ul	97
30) Naphthalene	10.816	128	677501	12.279	ng/ul	99
32) 4-Chloroaniline	10.945	127	62223	2.879	ng/ul	98
33) Hexachlorobutadiene	11.086	225	114213	15.109	ng/ul	95
34) Caprolactam	11.722	113	98481	20.785	ng/ul	88
35) 4-Chloro-3-methylphenol	12.051	107	91347	5.245	ng/ul	99
36) 2-Methylnaphthalene	12.422	142	641455	17.079	ng/ul	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.639	142	579243	15.290	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.786	216	68541	4.762	ng/ul	99
40) Hexachlorocyclopentadiene	12.757	237	126842	14.046	ng/ul	97
41) 2,4,6-Trichlorophenol	13.027	196	169240	16.543	ng/ul	97
42) 2,4,5-Trichlorophenol	13.098	196	100256	9.230	ng/ul	98
43) 1,1'-Biphenyl	13.433	154	881939	19.587	ng/ul	99
44) 2-Chloronaphthalene	13.474	162	337392	9.773	ng/ul	99
45) 2-Nitroaniline	13.686	65	243501	21.035	ng/ul	97
47) Dimethylphthalate	14.063	163	838710	19.973	ng/ul	100
48) 2,6-Dinitrotoluene	14.186	165	162466	20.011	ng/ul	94
50) Acenaphthylene	14.316	152	520327	8.983	ng/ul	98
51) 3-Nitroaniline	14.516	138	58015	6.225	ng/ul#	96
52) Acenaphthene	14.657	153	445189	11.661	ng/ul	98
53) 2,4-Dinitrophenol	14.716	184	78201	18.094	ng/ul	86
55) 4-Nitrophenol	14.810	109	133057	21.292	ng/ul	93
56) Dibenzofuran	14.992	168	855680	17.355	ng/ul	99
57) 2,4-Dinitrotoluene	14.968	165	237421	20.699	ng/ul	93
58) 2,3,4,6-Tetrachlorophenol	15.215	232	166179	19.968	ng/ul#	96
59) Diethylphthalate	15.421	149	917021	21.309	ng/ul	98
61) Fluorene	15.639	166	840764	19.960	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.639	204	353576	19.083	ng/ul	95
63) 4-Nitroaniline	15.674	138	107530m	12.605	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.721	198	119826	18.710	ng/ul#	88
67) N-Nitrosodiphenylamine	15.857	169	673797	19.341	ng/ul	100
68) 4-Bromophenyl-phenylether	16.533	248	202319	18.828	ng/ul	93
69) Hexachlorobenzene	16.633	284	18471	1.500	ng/ul#	91
70) Atrazine	16.815	200	208270	27.274	ng/ul	96
71) Pentachlorophenol	16.992	266	2652625	356.417	ng/ul	99
72) Phenanthrene	17.386	178	702700	11.431	ng/ul	99
74) Anthracene	17.474	178	685164	11.044	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.392	216	50466	3.388	ng/uL	97
76) Pentachlorobenzene	14.904	250	38132	2.629	ng/uL	95
77) Carbazole	17.751	167	171586	3.241	ng/ul#	95
78) Di-n-butylphthalate	18.321	149	1736444	25.085	ng/ul	100
80) Fluoranthene	19.398	202	692638	9.669	ng/ul	99
82) Pyrene	19.756	202	124955	1.697	ng/ul#	91
83) Butylbenzylphthalate	20.668	149	804710	25.273	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.445	252	1002	0.056	ng/ul#	38
85) Benzo(a)anthracene	21.509	228	735226	12.000	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.445	149	1207290	26.633	ng/ul	98
87) Chrysene	21.562	228	514729	9.338	ng/ul	99
89) Di-n-octyl phthalate	22.386	149	2044185	26.485	ng/ul	100
90) Benzo(b)fluoranthene	23.197	252	484664	7.839	ng/ul	97
91) Benzo(k)fluoranthene	23.244	252	582932	9.666	ng/ul#	97
93) Benzo(a)pyrene	23.827	252	42982	0.762	ng/ul#	85
94) Indeno(1,2,3-cd)pyrene	26.474	276	244507	3.630	ng/ul#	65
95) Dibenzo(a,h)anthracene	26.479	278	738806	13.246	ng/ul	97
96) Benzo(g,h,i)perylene	27.221	276	4703m	0.089	ng/ul	

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

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