Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041524\
Data File : BM045294.D
Acq On : 16 Apr 2024 23:45
Operator : MA/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 55 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD020103

Quant Time: Apr 17 00:18:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM040524.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Apr 15 22:24:11 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/17/2024
Supervised By :mohammad ahmed 04/18/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.581	152	53137	20.000	ng/ul	0.00
20) Naphthalene-d8	10.345	136	212324	20.000	ng/ul	-0.01
38) Acenaphthene-d10	14.227	164	126478	20.000	ng/ul	0.00
64) Phenanthrene-d10	16.992	188	240365	20.000	ng/ul	0.00
79) Chrysene-d12	21.203	240	229389	20.000	ng/ul	0.00
88) Perylene-d12	23.403	264	292543	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.175	96	9981	7.014	ng/uL	0.00
4) Pyridine-d5	3.575	84	63611	16.439	ng/ul	0.00
7) Phenol-d5	6.763	99	79781	17.711	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.934	67	51506	19.191	ng/ul	-0.01
11) 2-Chlorophenol-d4	7.110	132	68292	19.351	ng/ul	-0.01
15) 4-Methylphenol-d8	8.286	113	64861	18.395	ng/ul	-0.01
21) Nitrobenzene-d5	8.739	128	33412	20.487	ng/ul	0.00
24) 2-Nitrophenol-d4	9.451	143	34522	20.054	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.980	165	64879	20.556	ng/ul	0.00
31) 4-Chloroaniline-d4	10.510	131	89811	17.873	ng/ul	-0.01
46) Dimethylphthalate-d6	13.657	166	178184	20.234	ng/ul	0.00
49) Acenaphthylene-d8	13.921	160	208282	20.020	ng/ul	0.00
54) 4-Nitrophenol-d4	14.468	143	25550	13.902	ng/ul	0.00
60) Fluorene-d10	15.233	176	150558	19.177	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.380	200	23546	16.521	ng/ul	0.00
73) Anthracene-d10	17.092	188	222351	20.564	ng/ul	0.00
81) Pyrene-d10	19.398	212	239379	21.193	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.262	264	286928	20.106	ng/ul	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.210	88	10833	7.290	ng/uL	92
5) Pyridine	3.593	79	68061	16.600	ng/ul	96
6) Benzaldehyde	6.751	77	51959	24.882	ng/ul	99
8) Phenol	6.787	94	83416	17.882	ng/ul	95
10) Bis(2-Chloroethyl)ether	7.028	93	71944	19.761	ng/ul	98
12) 2-Chlorophenol	7.145	128	70593	19.063	ng/ul	99
13) 2-Methylphenol	8.022	108	63339	18.395	ng/ul	91
14) 2,2'-oxybis(1-Chloropr...	8.098	45	85095m	19.597	ng/ul	
16) Acetophenone	8.410	105	105742	18.446	ng/ul	96
17) N-Nitroso-di-n-propyla...	8.386	70	54706	20.211	ng/ul	94
18) 4-Methylphenol	8.351	108	67989	18.320	ng/ul	96
19) Hexachloroethane	8.622	117	34167	20.977	ng/ul	98
22) Nitrobenzene	8.781	77	84748	21.180	ng/ul	97
23) Isophorone	9.304	82	147980	20.129	ng/ul	99
25) 2-Nitrophenol	9.480	139	38846	20.331	ng/ul#	85
26) 2,4-Dimethylphenol	9.539	107	72840	19.774	ng/ul	98
27) Bis(2-Chloroethoxy)met...	9.786	93	91744	21.050	ng/ul	98
29) 2,4-Dichlorophenol	10.010	162	64775	20.314	ng/ul	97
30) Naphthalene	10.398	128	225625	20.074	ng/ul	98
32) 4-Chloroaniline	10.533	127	88033	18.005	ng/ul	100
33) Hexachlorobutadiene	10.663	225	42491	21.432	ng/ul	94
34) Caprolactam	11.339	113	15897m	14.767	ng/ul	
35) 4-Chloro-3-methylphenol	11.657	107	60338	19.035	ng/ul	98
36) 2-Methylnaphthalene	12.022	142	145156	19.779	ng/ul	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.239	142	148539	20.001	ng/ul	94
39) 1,2,4,5-Tetrachloroben...	12.392	216	72753	21.033	ng/ul#	93
40) Hexachlorocyclopentadiene	12.351	237	46540	22.227	ng/ul	92
41) 2,4,6-Trichlorophenol	12.651	196	46921	20.795	ng/ul	95
42) 2,4,5-Trichlorophenol	12.727	196	50399	20.272	ng/ul	93
43) 1,1'-Biphenyl	13.057	154	188936	21.155	ng/ul	98
44) 2-Chloronaphthalene	13.092	162	149182	20.560	ng/ul	99
45) 2-Nitroaniline	13.327	65	40032	19.986	ng/ul	92
47) Dimethylphthalate	13.704	163	183078	19.890	ng/ul	99
48) 2,6-Dinitrotoluene	13.839	165	34306	19.015	ng/ul#	88
50) Acenaphthylene	13.951	152	244715	20.140	ng/ul	99
51) 3-Nitroaniline	14.174	138	34854	17.711	ng/ul	99
52) Acenaphthene	14.292	153	164960	20.346	ng/ul	98
53) 2,4-Dinitrophenol	14.392	184	13790	12.856	ng/ul	91
55) 4-Nitrophenol	14.480	109	24407	15.100	ng/ul	87
56) Dibenzofuran	14.633	168	216951	19.554	ng/ul	98
57) 2,4-Dinitrotoluene	14.633	165	49298	18.255	ng/ul#	81
58) 2,3,4,6-Tetrachlorophenol	14.863	232	40388	18.981	ng/ul#	98
59) Diethylphthalate	15.080	149	188280	20.050	ng/ul	99
61) Fluorene	15.286	166	173141	18.515	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.292	204	82594	18.844	ng/ul	96
63) 4-Nitroaniline	15.345	138	30659m	17.136	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.392	198	26056	17.072	ng/ul#	95
67) N-Nitrosodiphenylamine	15.510	169	143474	22.127	ng/ul	97
68) 4-Bromophenyl-phenylether	16.186	248	51774	22.116	ng/ul	93
69) Hexachlorobenzene	16.286	284	63584	20.880	ng/ul	93
70) Atrazine	16.480	200	46454	19.477	ng/ul	99
71) Pentachlorophenol	16.645	266	30703	16.598	ng/ul	91
72) Phenanthrene	17.033	178	267062	20.647	ng/ul	100
74) Anthracene	17.127	178	273076	20.638	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.010	216	71331	23.545	ng/uL	97
76) Pentachlorobenzene	14.545	250	74956	23.254	ng/uL	98
77) Carbazole	17.409	167	234876	18.410	ng/ul	98
78) Di-n-butylphthalate	17.980	149	311163	21.626	ng/ul	99
80) Fluoranthene	19.062	202	288685	21.670	ng/ul	99
82) Pyrene	19.427	202	307004	21.355	ng/ul	99
83) Butylbenzylphthalate	20.350	149	133545	22.172	ng/ul	90
84) 3,3'-Dichlorobenzidine	21.133	252	101541	19.908	ng/ul	96
85) Benzo(a)anthracene	21.186	228	310004	19.917	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.133	149	210493	22.357	ng/ul	98
87) Chrysene	21.239	228	291083	20.061	ng/ul	99
89) Di-n-octyl phthalate	22.009	149	355677	19.324	ng/ul	100
90) Benzo(b)fluoranthene	22.744	252	340785	19.987	ng/ul	99
91) Benzo(k)fluoranthene	22.786	252	336580	19.612	ng/ul	99
93) Benzo(a)pyrene	23.303	252	334390	20.151	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	25.597	276	441252	20.528	ng/ul	99
95) Dibenzo(a,h)anthracene	25.615	278	368976	20.531	ng/ul	98
96) Benzo(g,h,i)perylene	26.274	276	359658	21.209	ng/ul	99

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

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