Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021425\
Data File : BM049657.D
Acq On : 14 Feb 2025 12:57
Operator : RC/JU
Sample : SSTD01079
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 18 11:55:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM021425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Feb 18 11:46:09 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTD010021

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 02/18/2025
Supervised By :Jagrut Upadhyay 02/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.810	152	213319	20.000	ng/ul	0.00
20) Naphthalene-d8	10.610	136	772244	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.451	164	505529	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.186	188	986275	20.000	ng/ul	0.00
79) Chrysene-d12	21.427	240	962884	20.000	ng/ul	0.00
88) Perylene-d12	24.438	264	1016400	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.251	96	21259	3.803	ng/uL	0.00
4) Pyridine-d5	3.669	84	145712	8.781	ng/ul	0.00
7) Phenol-d5	6.981	99	147325	8.490	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.139	67	106636	9.270	ng/ul	0.00
11) 2-Chlorophenol-d4	7.345	132	114970	9.036	ng/ul	0.00
15) 4-Methylphenol-d8	8.522	113	108650	8.316	ng/ul	0.00
21) Nitrobenzene-d5	8.963	128	52654	9.072	ng/ul	0.00
24) 2-Nitrophenol-d4	9.686	143	50739	8.628	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.233	165	114743	8.982	ng/ul	0.00
31) 4-Chloroaniline-d4	10.739	131	151536	8.603	ng/ul	0.00
46) Dimethylphthalate-d6	13.857	166	340207	9.110	ng/ul	0.00
49) Acenaphthylene-d8	14.139	160	389079	8.890	ng/ul	0.00
54) 4-Nitrophenol-d4	14.645	143	46885	7.184	ng/ul	0.00
60) Fluorene-d10	15.439	176	288154	8.811	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.551	200	35724	6.257	ng/ul	0.00
73) Anthracene-d10	17.286	188	442696	8.808	ng/ul	0.00
81) Pyrene-d10	19.574	212	464711	8.700	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.232	264	452272	8.347	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.287	88	22711	3.902	ng/uL	93
5) Pyridine	3.687	79	157079	9.288	ng/ul	98
6) Benzaldehyde	6.951	77	109038	11.099	ng/ul	97
8) Phenol	7.010	94	160501	8.850	ng/ul	99
10) Bis(2-Chloroethyl)ether	7.234	93	133722	9.192	ng/ul	99
12) 2-Chlorophenol	7.381	128	122614	9.165	ng/ul	100
13) 2-Methylphenol	8.257	108	106289	8.343	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.334	45	186943	9.288	ng/ul	99
16) Acetophenone	8.633	105	191713	8.712	ng/ul	97
17) N-Nitroso-di-n-propyla...	8.616	70	104178	9.217	ng/ul	99
18) 4-Methylphenol	8.586	108	118843	8.488	ng/ul	97
19) Hexachloroethane	8.898	117	55497	9.234	ng/ul	91
22) Nitrobenzene	9.004	77	144104	9.308	ng/ul	98
23) Isophorone	9.539	82	253278	9.038	ng/ul	99
25) 2-Nitrophenol	9.722	139	58375	8.779	ng/ul	94
26) 2,4-Dimethylphenol	9.786	107	119141	9.160	ng/ul	95
27) Bis(2-Chloroethoxy)met...	10.022	93	162948	9.311	ng/ul	98
29) 2,4-Dichlorophenol	10.257	162	119221	9.186	ng/ul	99
30) Naphthalene	10.657	128	374767	9.245	ng/ul	99
32) 4-Chloroaniline	10.763	127	150245	8.837	ng/ul	100
33) Hexachlorobutadiene	10.951	225	85957	9.313	ng/ul	97
34) Caprolactam	11.522	113	30666m	8.043	ng/ul	
35) 4-Chloro-3-methylphenol	11.898	107	101938	8.848	ng/ul	98
36) 2-Methylnaphthalene	12.269	142	256840	9.035	ng/ul	98

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	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1-Methylnaphthalene	12.492	142	255974	9.093	ng/ul	97
39)	1,2,4,5-Tetrachloroben...	12.639	216	158394	8.904	ng/ul	99
40)	Hexachlorocyclopentadiene	12.627	237	86939	7.902	ng/ul	97
41)	2,4,6-Trichlorophenol	12.880	196	84052	8.445	ng/ul	98
42)	2,4,5-Trichlorophenol	12.957	196	94422	8.661	ng/ul	96
43)	1,1'-Biphenyl	13.280	154	345037	8.976	ng/ul	98
44)	2-Chloronaphthalene	13.321	162	280358	9.125	ng/ul	99
45)	2-Nitroaniline	13.521	65	67865	8.640	ng/ul	97
47)	Dimethylphthalate	13.904	163	341871	9.172	ng/ul	99
48)	2,6-Dinitrotoluene	14.015	165	56428	8.495	ng/ul	99
50)	Acenaphthylene	14.168	152	405706	8.975	ng/ul	99
51)	3-Nitroaniline	14.345	138	54311	7.784	ng/ul#	95
52)	Acenaphthene	14.510	153	288384	8.865	ng/ul	99
53)	2,4-Dinitrophenol	14.545	184	21436	5.725	ng/ul	92
55)	4-Nitrophenol	14.663	109	43877	8.082	ng/ul	91
56)	Dibenzofuran	14.845	168	415850	9.136	ng/ul	99
57)	2,4-Dinitrotoluene	14.804	165	83256	8.560	ng/ul	97
58)	2,3,4,6-Tetrachlorophenol	15.074	232	70579	8.323	ng/ul	96
59)	Diethylphthalate	15.268	149	322807	8.969	ng/ul	99
61)	Fluorene	15.498	166	340283	8.563	ng/ul	100
62)	4-Chlorophenyl-phenyle...	15.492	204	175921	8.427	ng/ul	99
63)	4-Nitroaniline	15.504	138	57795	8.192	ng/ul	97
66)	4,6-Dinitro-2-methylph...	15.562	198	40320	6.289	ng/ul#	89
67)	N-Nitrosodiphenylamine	15.704	169	270328	8.905	ng/ul	99
68)	4-Bromophenyl-phenylether	16.386	248	96948	8.717	ng/ul	99
69)	Hexachlorobenzene	16.498	284	113858	8.755	ng/ul	96
70)	Atrazine	16.651	200	96134	8.127	ng/ul	98
71)	Pentachlorophenol	16.839	266	50653	6.351	ng/ul	98
72)	Phenanthrene	17.233	178	509968	8.883	ng/ul	99
74)	Anthracene	17.321	178	513563	8.853	ng/ul	99
75)	1,2,3,4-Tetrachloroben...	13.245	216	154872	9.190	ng/uL	97
76)	Pentachlorobenzene	14.768	250	147767	8.946	ng/uL	98
77)	Carbazole	17.586	167	444272	8.349	ng/ul	99
78)	Di-n-butylphthalate	18.162	149	505430	8.657	ng/ul	99
80)	Fluoranthene	19.245	202	547693	8.872	ng/ul	100
82)	Pyrene	19.603	202	594625	8.794	ng/ul	98
83)	Butylbenzylphthalate	20.509	149	190057	8.429	ng/ul	99
84)	3,3'-Dichlorobenzidine	21.327	252	154475	7.739	ng/ul	99
85)	Benzo(a)anthracene	21.409	228	585809	8.787	ng/ul	99
86)	Bis(2-ethylhexyl)phtha...	21.339	149	303943	8.429	ng/ul	100
87)	Chrysene	21.468	228	548433	8.935	ng/ul	99
89)	Di-n-octyl phthalate	22.486	149	466244	7.011	ng/ul	100
90)	Benzo(b)fluoranthene	23.485	252	548842	8.267	ng/ul	99
91)	Benzo(k)fluoranthene	23.550	252	570663	8.479	ng/ul	99
93)	Benzo(a)pyrene	24.297	252	517043	8.411	ng/ul	100
94)	Indeno(1,2,3-cd)pyrene	27.832	276	659688	8.627	ng/ul	100
95)	Dibenzo(a,h)anthracene	27.891	278	536965	8.565	ng/ul	99
96)	Benzo(g,h,i)perylene	28.885	276	517140	8.843	ng/ul	98

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

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