Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN011123\
Data File : BN023610.D
Acq On : 11 Jan 2023 13:40
Operator : CG/JU
Sample : N4239-05
Misc : SFAM-MDL-MES-01-4NG
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 11 14:27:26 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN010523.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jan 05 03:34:47 2023
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
MDL-MED-SOIL-QT3-2022-05

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/12/2023
Supervised By :mohammad ahmed 01/12/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.945	152	198794	20.000	ng/ul	0.00
20) Naphthalene-d8	10.763	136	907548	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.598	164	568085	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.345	188	1273592	20.000	ng/ul	0.00
79) Chrysene-d12	21.533	240	1327279	20.000	ng/ul	-0.01
88) Perylene-d12	23.962	264	1317063	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.299	96	18205	3.941	ng/uL	0.00
4) Pyridine-d5	3.728	84	163754	11.814	ng/ul	0.00
7) Phenol-d5	7.104	99	304571	17.287	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.269	67	200693	18.568	ng/ul	0.00
11) 2-Chlorophenol-d4	7.469	132	250863	18.591	ng/ul	0.00
15) 4-Methylphenol-d8	8.657	113	247203	17.579	ng/ul	-0.01
21) Nitrobenzene-d5	9.116	128	124030	18.124	ng/ul	0.00
24) 2-Nitrophenol-d4	9.839	143	131442	18.144	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.381	165	239530	17.334	ng/ul	0.00
31) 4-Chloroaniline-d4	10.898	131	363417	16.720	ng/ul	-0.01
46) Dimethylphthalate-d6	14.010	166	758478	17.948	ng/ul	0.00
49) Acenaphthylene-d8	14.292	160	868967	18.559	ng/ul	0.00
54) 4-Nitrophenol-d4	14.792	143	144020	16.741	ng/ul	-0.01
60) Fluorene-d10	15.592	176	679595	18.820	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.710	200	120028	15.623	ng/ul	0.00
73) Anthracene-d10	17.445	188	1065025	18.687	ng/ul	0.00
81) Pyrene-d10	19.739	212	1289801	16.992	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.803	264	1204130	18.487	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.334	88	5588	1.146	ng/uL	90
5) Pyridine	3.752	79	51227	3.610	ng/ul#	80
6) Benzaldehyde	7.075	77	37220	5.455	ng/ul	100
8) Phenol	7.128	94	73632	4.106	ng/ul	97
10) Bis(2-Chloroethyl)ether	7.363	93	60104	4.241	ng/ul	97
12) 2-Chlorophenol	7.504	128	59649	4.278	ng/ul	94
13) 2-Methylphenol	8.393	108	50487	3.741	ng/ul	95
14) 2,2'-oxybis(1-Chloropr...	8.481	45	82946	4.377	ng/ul	100
16) Acetophenone	8.775	105	92337	4.248	ng/ul	98
17) N-Nitroso-di-n-propyla...	8.757	70	44496	4.066	ng/ul	97
18) 4-Methylphenol	8.722	108	60071	4.042	ng/ul	100
19) Hexachloroethane	9.028	117	23884	4.283	ng/ul	92
22) Nitrobenzene	9.157	77	73097	4.268	ng/ul	98
23) Isophorone	9.687	82	114277	3.689	ng/ul	99
25) 2-Nitrophenol	9.869	139	32062	3.981	ng/ul	88
26) 2,4-Dimethylphenol	9.934	107	60584	3.707	ng/ul	100
27) Bis(2-Chloroethoxy)met...	10.169	93	80208	3.992	ng/ul	98
29) 2,4-Dichlorophenol	10.404	162	56243	4.068	ng/ul	96
30) Naphthalene	10.810	128	207188	4.247	ng/ul	99
32) 4-Chloroaniline	10.928	127	87004	3.997	ng/ul	99
33) Hexachlorobutadiene	11.092	225	36724	4.294	ng/ul	96
34) Caprolactam	11.710	113	16606m	3.576	ng/ul	
35) 4-Chloro-3-methylphenol	12.045	107	56087	3.720	ng/ul	99
36) 2-Methylnaphthalene	12.422	142	137919	4.241	ng/ul	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.639	142	127033	3.823	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.792	216	72630	4.323	ng/ul	96
40) Hexachlorocyclopentadiene	12.769	237	34165	3.226	ng/ul	94
41) 2,4,6-Trichlorophenol	13.028	196	41678	3.763	ng/ul	98
42) 2,4,5-Trichlorophenol	13.098	196	47780	3.945	ng/ul	89
43) 1,1'-Biphenyl	13.433	154	188359	4.298	ng/ul	99
44) 2-Chloronaphthalene	13.475	162	147660	4.343	ng/ul	99
45) 2-Nitroaniline	13.680	65	33228	3.544	ng/ul	96
47) Dimethylphthalate	14.051	163	177815	4.187	ng/ul	100
48) 2,6-Dinitrotoluene	14.175	165	27042	3.369	ng/ul	92
50) Acenaphthylene	14.322	152	222782	4.279	ng/ul	98
51) 3-Nitroaniline	14.504	138	30016	3.731	ng/ul	96
52) Acenaphthene	14.657	153	159937	4.357	ng/ul	98
53) 2,4-Dinitrophenol	14.710	184	20848	3.973	ng/ul	97
55) 4-Nitrophenol	14.810	109	27558	3.967	ng/ul	96
56) Dibenzofuran	14.992	168	223154	4.368	ng/ul	93
57) 2,4-Dinitrotoluene	14.963	165	41977	3.582	ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	15.222	232	40024	3.857	ng/ul	99
59) Diethylphthalate	15.416	149	172730	4.061	ng/ul	99
61) Fluorene	15.645	166	181395	4.384	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.639	204	89949	4.466	ng/ul	97
63) 4-Nitroaniline	15.663	138	30014	4.052	ng/ul	93
66) 4,6-Dinitro-2-methylph...	15.722	198	34695	4.576	ng/ul#	84
67) N-Nitrosodiphenylamine	15.851	169	151308	4.233	ng/ul	97
68) 4-Bromophenyl-phenylether	16.533	248	52780	4.134	ng/ul	94
69) Hexachlorobenzene	16.645	284	64147	4.288	ng/ul	95
70) Atrazine	16.804	200	53789	4.021	ng/ul	96
71) Pentachlorophenol	16.998	266	37337	3.911	ng/ul	96
72) Phenanthrene	17.386	178	301744	4.422	ng/ul	99
74) Anthracene	17.480	178	288990	4.255	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.398	216	64308	3.750	ng/uL	98
76) Pentachlorobenzene	14.916	250	65868	3.835	ng/uL	96
77) Carbazole	17.751	167	254954	4.134	ng/ul	99
78) Di-n-butylphthalate	18.316	149	284254	3.882	ng/ul	100
80) Fluoranthene	19.404	202	353942	3.986	ng/ul	99
82) Pyrene	19.768	202	381118	4.064	ng/ul	99
83) Butylbenzylphthalate	20.668	149	128172	3.452	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.457	252	101646	3.506	ng/ul	100
85) Benzo(a)anthracene	21.521	228	364490	4.054	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.445	149	201878	3.745	ng/ul	99
87) Chrysene	21.574	228	357702	4.243	ng/ul	95
89) Di-n-octyl phthalate	22.374	149	285468	3.141	ng/ul	100
90) Benzo(b)fluoranthene	23.215	252	367015	4.375	ng/ul	99
91) Benzo(k)fluoranthene	23.268	252	356267	4.293	ng/ul	98
93) Benzo(a)pyrene	23.851	252	317315	4.361	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	26.486	276	380305	4.229	ng/ul	96
95) Dibenzo(a,h)anthracene	26.503	278	318903	4.289	ng/ul	97
96) Benzo(g,h,i)perylene	27.262	276	295111	4.121	ng/ul	98

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

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