Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN011624\
Data File : BN029251.D
Acq On : 16 Jan 2024 16:20
Operator : MA/JU
Sample : 04696-05
Misc : SFAM-MDL-ME-SOIL-01
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 17 01:33:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN011524.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 16 03:57:40 2024
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
MDL-MED-SOIL-QT4-2023-07

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/17/2024
Supervised By :mohammad ahmed 01/18/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.940	152	118340	20.000	ng/ul	0.00
20) Naphthalene-d8	10.746	136	533278	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.581	164	368408	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.334	188	850657	20.000	ng/ul	0.00
79) Chrysene-d12	21.533	240	889836	20.000	ng/ul	0.00
88) Perylene-d12	23.945	264	1023878	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.370	96	14375	5.017	ng/uL	0.00
4) Pyridine-d5	3.781	84	193302	21.871	ng/ul	0.00
7) Phenol-d5	7.099	99	225644	19.873	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.281	67	149726	20.907	ng/ul	0.00
11) 2-Chlorophenol-d4	7.469	132	173234	21.568	ng/ul	0.00
15) 4-Methylphenol-d8	8.646	113	185719	20.287	ng/ul	0.00
21) Nitrobenzene-d5	9.111	128	90636	23.427	ng/ul	0.00
24) 2-Nitrophenol-d4	9.828	143	71493	22.283	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.363	165	167668	20.994	ng/ul	0.00
31) 4-Chloroaniline-d4	10.887	131	291842	20.191	ng/ul	0.00
46) Dimethylphthalate-d6	14.004	166	654291	21.576	ng/ul	0.00
49) Acenaphthylene-d8	14.275	160	729861	21.371	ng/ul	0.00
54) 4-Nitrophenol-d4	14.775	143	98697	18.700	ng/ul	0.00
60) Fluorene-d10	15.575	176	573770	22.201	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.693	200	55166	15.421	ng/ul	0.00
73) Anthracene-d10	17.434	188	881077	20.604	ng/ul	0.00
81) Pyrene-d10	19.728	212	1089301	22.030	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.786	264	1144886	21.696	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.411	88	3512m	1.208	ng/uL	
5) Pyridine	3.805	79	38004	4.209	ng/ul#	77
6) Benzaldehyde	7.087	77	31710m	6.223	ng/ul	
8) Phenol	7.128	94	45834	3.972	ng/ul	96
10) Bis(2-Chloroethyl)ether	7.375	93	38666	4.128	ng/ul	97
12) 2-Chlorophenol	7.499	128	35675	4.267	ng/ul	100
13) 2-Methylphenol	8.381	108	32536	3.701	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.475	45	51104	4.267	ng/ul	100
16) Acetophenone	8.769	105	64828	4.179	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.758	70	34133	4.181	ng/ul	97
18) 4-Methylphenol	8.711	108	37168	3.929	ng/ul	91
19) Hexachloroethane	9.016	117	16288	4.291	ng/ul	95
22) Nitrobenzene	9.152	77	49902	4.666	ng/ul	99
23) Isophorone	9.675	82	93195	4.099	ng/ul	96
25) 2-Nitrophenol	9.858	139	16220	4.318	ng/ul	98
26) 2,4-Dimethylphenol	9.916	107	41986	4.180	ng/ul	95
27) Bis(2-Chloroethoxy)met...	10.169	93	55633	4.347	ng/ul#	98
29) 2,4-Dichlorophenol	10.387	162	34366	4.376	ng/ul	99
30) Naphthalene	10.793	128	132633	4.362	ng/ul	98
32) 4-Chloroaniline	10.910	127	57642	4.099	ng/ul	98
33) Hexachlorobutadiene	11.069	225	24586	4.435	ng/ul	96
34) Caprolactam	11.699	113	13887m	4.363	ng/ul	
35) 4-Chloro-3-methylphenol	12.028	107	35823	3.844	ng/ul	99
36) 2-Methylnaphthalene	12.404	142	89884	4.227	ng/ul	97

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	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1-Methylnaphthalene	12.622	142	95512	4.527	ng/ul	100
39)	1,2,4,5-Tetrachloroben...	12.763	216	49055	4.272	ng/ul#	97
40)	Hexachlorocyclopentadiene	12.740	237	33232	4.323	ng/ul	95
41)	2,4,6-Trichlorophenol	13.016	196	23077	3.627	ng/ul	93
42)	2,4,5-Trichlorophenol	13.081	196	27613	3.866	ng/ul	95
43)	1,1'-Biphenyl	13.416	154	125940	4.242	ng/ul	99
44)	2-Chloronaphthalene	13.457	162	98659	4.254	ng/ul	96
45)	2-Nitroaniline	13.669	65	23737	3.861	ng/ul	99
47)	Dimethylphthalate	14.046	163	131881	4.271	ng/ul	99
48)	2,6-Dinitrotoluene	14.169	165	18046	3.614	ng/ul	98
50)	Acenaphthylene	14.304	152	165880	4.186	ng/ul	99
51)	3-Nitroaniline	14.493	138	19893	3.668	ng/ul	96
52)	Acenaphthene	14.646	153	107888	4.148	ng/ul	97
53)	2,4-Dinitrophenol	14.698	184	9340	4.377	ng/ul	99
55)	4-Nitrophenol	14.793	109	22357	4.624	ng/ul	94
56)	Dibenzofuran	14.981	168	149611	4.253	ng/ul	98
57)	2,4-Dinitrotoluene	14.951	165	28405	3.885	ng/ul	97
58)	2,3,4,6-Tetrachlorophenol	15.204	232	21181	3.594	ng/ul	96
59)	Diethylphthalate	15.416	149	133613	4.148	ng/ul	98
61)	Fluorene	15.628	166	128272	4.211	ng/ul	92
62)	4-Chlorophenyl-phenyle...	15.634	204	64653	4.343	ng/ul	99
63)	4-Nitroaniline	15.651	138	24101m	4.513	ng/ul	
66)	4,6-Dinitro-2-methylph...	15.704	198	15407	3.740	ng/ul#	75
67)	N-Nitrosodiphenylamine	15.845	169	104993	4.071	ng/ul	97
68)	4-Bromophenyl-phenylether	16.528	248	27963	2.941	ng/ul	99
69)	Hexachlorobenzene	16.622	284	45958	4.016	ng/ul#	87
70)	Atrazine	16.804	200	42656	4.356	ng/ul	99
71)	Pentachlorophenol	16.969	266	23548	3.808	ng/ul	97
72)	Phenanthrene	17.375	178	206855	4.191	ng/ul	99
74)	Anthracene	17.469	178	204858	3.997	ng/ul	98
75)	1,2,3,4-Tetrachloroben...	13.375	216	47048	4.091	ng/uL	94
76)	Pentachlorobenzene	14.893	250	55208	4.637	ng/uL	94
77)	Carbazole	17.739	167	182239	3.845	ng/ul	98
78)	Di-n-butylphthalate	18.322	149	214732	3.715	ng/ul	99
80)	Fluoranthene	19.392	202	241967	4.142	ng/ul	98
82)	Pyrene	19.757	202	263753	4.250	ng/ul	99
83)	Butylbenzylphthalate	20.681	149	81348	3.353	ng/ul	96
84)	3,3'-Dichlorobenzidine	21.457	252	85265	4.130	ng/ul	95
85)	Benzo(a)anthracene	21.516	228	274403	4.185	ng/ul	97
86)	Bis(2-ethylhexyl)phtha...	21.475	149	137631	3.435	ng/ul	98
87)	Chrysene	21.569	228	251782	4.152	ng/ul	99
89)	Di-n-octyl phthalate	22.422	149	206004	2.854	ng/ul	100
90)	Benzo(b)fluoranthene	23.210	252	258913	3.988	ng/ul	99
91)	Benzo(k)fluoranthene	23.257	252	270441	4.180	ng/ul	96
93)	Benzo(a)pyrene	23.839	252	261619	4.250	ng/ul	99
94)	Indeno(1,2,3-cd)pyrene	26.445	276	300174	3.852	ng/ul#	92
95)	Dibenzo(a,h)anthracene	26.480	278	255629	3.934	ng/ul	97
96)	Benzo(g,h,i)perylene	27.204	276	237632	3.819	ng/ul	97

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

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