Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN010523\
Data File : BN023566.D
Acq On : 05 Jan 2023 13:15
Operator : CG/JU
Sample : N5388-05
Misc : SFAM-MDL-MES-01-4PPM
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 05 14:00:08 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-QT4-2022-07

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/06/2023
Supervised By :mohammad ahmed 01/06/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.946	152	185680	20.000	ng/ul	0.00
20) Naphthalene-d8	10.763	136	844264	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.604	164	534570	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.351	188	1223140	20.000	ng/ul	0.00
79) Chrysene-d12	21.539	240	1214847	20.000	ng/ul	0.00
88) Perylene-d12	23.968	264	1259583	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.299	96	16408	3.803	ng/uL	0.00
4) Pyridine-d5	3.728	84	147677	11.407	ng/ul	0.00
7) Phenol-d5	7.105	99	257047	15.620	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.275	67	164940	16.338	ng/ul	0.00
11) 2-Chlorophenol-d4	7.469	132	206883	16.415	ng/ul	0.00
15) 4-Methylphenol-d8	8.657	113	208523	15.875	ng/ul	-0.01
21) Nitrobenzene-d5	9.116	128	103977	16.332	ng/ul	0.00
24) 2-Nitrophenol-d4	9.840	143	108346	16.077	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.381	165	202389	15.744	ng/ul	0.00
31) 4-Chloroaniline-d4	10.904	131	312034	15.432	ng/ul	0.00
46) Dimethylphthalate-d6	14.010	166	661460	16.634	ng/ul	0.00
49) Acenaphthylene-d8	14.292	160	746971	16.953	ng/ul	0.00
54) 4-Nitrophenol-d4	14.798	143	125773	15.536	ng/ul	0.00
60) Fluorene-d10	15.592	176	587898	17.302	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.710	200	102061	13.832	ng/ul	0.00
73) Anthracene-d10	17.445	188	922060	16.846	ng/ul	0.00
81) Pyrene-d10	19.745	212	1128450	16.242	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.810	264	1008111	16.184	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.334	88	4658m	1.023	ng/uL	
5) Pyridine	3.752	79	41994	3.169	ng/ul#	78
6) Benzaldehyde	7.081	77	30893	4.847	ng/ul	99
8) Phenol	7.128	94	68790	4.106	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.363	93	56620	4.278	ng/ul	98
12) 2-Chlorophenol	7.505	128	55803	4.285	ng/ul	98
13) 2-Methylphenol	8.393	108	48254	3.828	ng/ul	96
14) 2,2'-oxybis(1-Chloropr...	8.487	45	76397	4.316	ng/ul	98
16) Acetophenone	8.775	105	85300	4.202	ng/ul	98
17) N-Nitroso-di-n-propyla...	8.757	70	41846	4.094	ng/ul	97
18) 4-Methylphenol	8.722	108	56492	4.069	ng/ul	97
19) Hexachloroethane	9.028	117	21771	4.179	ng/ul	97
22) Nitrobenzene	9.157	77	65174	4.090	ng/ul	97
23) Isophorone	9.687	82	107942	3.746	ng/ul	99
25) 2-Nitrophenol	9.875	139	30751	4.105	ng/ul	96
26) 2,4-Dimethylphenol	9.934	107	61586	4.051	ng/ul	96
27) Bis(2-Chloroethoxy)met...	10.175	93	77788	4.162	ng/ul	97
29) 2,4-Dichlorophenol	10.404	162	54577	4.243	ng/ul	98
30) Naphthalene	10.810	128	194934	4.295	ng/ul	99
32) 4-Chloroaniline	10.928	127	81647	4.032	ng/ul	98
33) Hexachlorobutadiene	11.099	225	34868	4.383	ng/ul	97
34) Caprolactam	11.716	113	15383m	3.561	ng/ul	
35) 4-Chloro-3-methylphenol	12.051	107	54521	3.887	ng/ul	99
36) 2-Methylnaphthalene	12.428	142	128153	4.236	ng/ul	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.645	142	103044	3.334	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.793	216	67980	4.300	ng/ul	98
40) Hexachlorocyclopentadiene	12.769	237	32876	3.299	ng/ul	90
41) 2,4,6-Trichlorophenol	13.034	196	40079	3.846	ng/ul	93
42) 2,4,5-Trichlorophenol	13.098	196	45109	3.958	ng/ul	92
43) 1,1'-Biphenyl	13.434	154	177667	4.308	ng/ul	99
44) 2-Chloronaphthalene	13.475	162	140300	4.385	ng/ul	99
45) 2-Nitroaniline	13.687	65	31592	3.580	ng/ul	99
47) Dimethylphthalate	14.057	163	171323	4.287	ng/ul	99
48) 2,6-Dinitrotoluene	14.181	165	26246	3.474	ng/ul	97
50) Acenaphthylene	14.322	152	214567	4.380	ng/ul	100
51) 3-Nitroaniline	14.510	138	28904	3.818	ng/ul	96
52) Acenaphthene	14.663	153	150440	4.356	ng/ul	99
53) 2,4-Dinitrophenol	14.716	184	23249	4.709	ng/ul	96
55) 4-Nitrophenol	14.810	109	26256	4.016	ng/ul	97
56) Dibenzofuran	14.998	168	212857	4.427	ng/ul	98
57) 2,4-Dinitrotoluene	14.963	165	40609	3.682	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	15.222	232	37195	3.809	ng/ul	96
59) Diethylphthalate	15.422	149	164013	4.098	ng/ul	98
61) Fluorene	15.651	166	174438	4.481	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.645	204	85856	4.530	ng/ul	91
63) 4-Nitroaniline	15.669	138	29680	4.258	ng/ul	91
66) 4,6-Dinitro-2-methylph...	15.728	198	32911	4.520	ng/ul#	91
67) N-Nitrosodiphenylamine	15.857	169	141500	4.122	ng/ul	99
68) 4-Bromophenyl-phenylether	16.539	248	49357	4.026	ng/ul	100
69) Hexachlorobenzene	16.651	284	60991	4.245	ng/ul	99
70) Atrazine	16.810	200	71614	5.574	ng/ul	97
71) Pentachlorophenol	16.998	266	37263	4.064	ng/ul	97
72) Phenanthrene	17.392	178	278298	4.246	ng/ul	97
74) Anthracene	17.481	178	280125	4.295	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.398	216	54274	3.296	ng/uL	97
76) Pentachlorobenzene	14.916	250	53427	3.239	ng/uL	98
77) Carbazole	17.757	167	244942	4.136	ng/ul	99
78) Di-n-butylphthalate	18.316	149	265907	3.782	ng/ul	99
80) Fluoranthene	19.410	202	325350	4.004	ng/ul	99
82) Pyrene	19.775	202	358531	4.177	ng/ul	98
83) Butylbenzylphthalate	20.669	149	112418	3.308	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.457	252	119154	4.490	ng/ul	98
85) Benzo(a)anthracene	21.521	228	343686	4.176	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.445	149	178716	3.622	ng/ul	97
87) Chrysene	21.580	228	328242	4.254	ng/ul	98
89) Di-n-octyl phthalate	22.380	149	268812	3.092	ng/ul	100
90) Benzo(b)fluoranthene	23.221	252	334149	4.165	ng/ul	98
91) Benzo(k)fluoranthene	23.268	252	324308	4.087	ng/ul	100
93) Benzo(a)pyrene	23.857	252	310862	4.467	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.492	276	353075	4.106	ng/ul	98
95) Dibenzo(a,h)anthracene	26.509	278	295523	4.156	ng/ul	98
96) Benzo(g,h,i)perylene	27.274	276	277605	4.053	ng/ul	97

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

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