Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030723\
Data File : BN024140.D
Acq On : 07 Mar 2023 12:01
Operator : CG/JU
Sample : 01378-04
Misc : SFAM-MDL-SOIL-02
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 08 03:04:26 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN030323.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Mar 07 04:27:04 2023
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2023-02

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 03/08/2023
Supervised By :Jagrut Upadhyay 03/08/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.057	152	290708	20.000	ng/ul	0.00
20) Naphthalene-d8	10.881	136	1273774	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.698	164	770780	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.439	188	1568932	20.000	ng/ul	0.00
79) Chrysene-d12	21.639	240	1403190	20.000	ng/ul	0.00
88) Perylene-d12	24.151	264	1442994	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.411	96	37447	5.025	ng/uL	0.00
4) Pyridine-d5	3.834	84	361510	17.531	ng/ul	0.00
7) Phenol-d5	7.199	99	520393	19.957	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.381	67	337897	20.235	ng/ul	0.00
11) 2-Chlorophenol-d4	7.581	132	405396	20.244	ng/ul	0.00
15) 4-Methylphenol-d8	8.757	113	391252	18.874	ng/ul	0.00
21) Nitrobenzene-d5	9.228	128	165804	20.055	ng/ul	0.00
24) 2-Nitrophenol-d4	9.952	143	180733	20.047	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.487	165	371329	19.087	ng/ul	0.00
31) 4-Chloroaniline-d4	11.010	131	541781	18.666	ng/ul	0.00
46) Dimethylphthalate-d6	14.098	166	1117290	18.782	ng/ul	0.00
49) Acenaphthylene-d8	14.392	160	1330882	19.221	ng/ul	0.00
54) 4-Nitrophenol-d4	14.869	143	184459	16.228	ng/ul	0.00
60) Fluorene-d10	15.687	176	956666	19.136	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.792	200	125468	14.843	ng/ul	0.00
73) Anthracene-d10	17.539	188	1365294	18.452	ng/ul	0.00
81) Pyrene-d10	19.833	212	1587600	19.359	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.986	264	1433241	19.980	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.446	88	11489	1.424	ng/uL	96
5) Pyridine	3.858	79	94125	4.409	ng/ul#	87
6) Benzaldehyde	7.187	77	68082m	5.374	ng/ul	
8) Phenol	7.228	94	135124	4.999	ng/ul	99
10) Bis(2-Chloroethyl)ether	7.475	93	108629	4.959	ng/ul	96
12) 2-Chlorophenol	7.616	128	100255	4.822	ng/ul	98
13) 2-Methylphenol	8.493	108	95253	4.686	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.593	45	172042	4.951	ng/ul	98
16) Acetophenone	8.887	105	174684	5.428	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.869	70	79442	5.028	ng/ul#	96
18) 4-Methylphenol	8.822	108	110114	4.922	ng/ul	100
19) Hexachloroethane	9.152	117	37919	4.644	ng/ul	98
22) Nitrobenzene	9.269	77	116355	5.199	ng/ul	99
23) Isophorone	9.793	82	237504	4.855	ng/ul	99
25) 2-Nitrophenol	9.987	139	52560	5.075	ng/ul	96
26) 2,4-Dimethylphenol	10.040	107	93352	3.955	ng/ul	98
27) Bis(2-Chloroethoxy)met...	10.281	93	153629	5.058	ng/ul	99
29) 2,4-Dichlorophenol	10.516	162	100335	5.110	ng/ul	99
30) Naphthalene	10.928	128	352037	5.022	ng/ul	99
32) 4-Chloroaniline	11.034	127	146960	5.021	ng/ul	98
33) Hexachlorobutadiene	11.222	225	57537	4.808	ng/ul	91
34) Caprolactam	11.804	113	33869m	5.058	ng/ul	
35) 4-Chloro-3-methylphenol	12.146	107	102817	4.753	ng/ul	97
36) 2-Methylnaphthalene	12.534	142	233879	5.068	ng/ul	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.751	142	189204	4.091	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.898	216	121270	5.228	ng/ul	96
40) Hexachlorocyclopentadiene	12.881	237	52228	4.178	ng/ul	99
41) 2,4,6-Trichlorophenol	13.128	196	71500	4.706	ng/ul	96
42) 2,4,5-Trichlorophenol	13.198	196	77164	4.715	ng/ul	96
43) 1,1'-Biphenyl	13.534	154	316589	5.156	ng/ul	97
44) 2-Chloronaphthalene	13.575	162	246812	5.159	ng/ul	99
45) 2-Nitroaniline	13.775	65	36805	3.531	ng/ul	97
47) Dimethylphthalate	14.145	163	300573	5.013	ng/ul	99
48) 2,6-Dinitrotoluene	14.263	165	28572	3.238	ng/ul	92
50) Acenaphthylene	14.416	152	384704	5.156	ng/ul	100
51) 3-Nitroaniline	14.592	138	37955	3.538	ng/ul#	97
52) Acenaphthene	14.757	153	264517	5.197	ng/ul	98
53) 2,4-Dinitrophenol	14.792	184	28494	4.664	ng/ul	99
55) 4-Nitrophenol	14.881	109	40326	4.657	ng/ul	96
56) Dibenzofuran	15.092	168	364505	5.098	ng/ul	98
57) 2,4-Dinitrotoluene	15.045	165	52651	3.785	ng/ul	93
58) 2,3,4,6-Tetrachlorophenol	15.310	232	64079	4.555	ng/ul	97
59) Diethylphthalate	15.510	149	289496	4.844	ng/ul	99
61) Fluorene	15.739	166	299371	5.344	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.734	204	140109	5.231	ng/ul	95
63) 4-Nitroaniline	15.751	138	40831m	3.936	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.804	198	38875	4.546	ng/ul#	85
67) N-Nitrosodiphenylamine	15.945	169	237988	5.122	ng/ul	98
68) 4-Bromophenyl-phenylether	16.628	248	81499	5.225	ng/ul	97
69) Hexachlorobenzene	16.745	284	97434	5.135	ng/ul	100
70) Atrazine	16.892	200	69817	4.439	ng/ul	98
71) Pentachlorophenol	17.086	266	53497	4.557	ng/ul	98
72) Phenanthrene	17.481	178	469711	5.404	ng/ul	99
74) Anthracene	17.575	178	435198	4.966	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.498	216	92461	4.043	ng/uL	94
76) Pentachlorobenzene	15.010	250	85387	3.832	ng/uL	91
77) Carbazole	17.839	167	401450	5.115	ng/ul	99
78) Di-n-butylphthalate	18.410	149	456834	4.890	ng/ul	99
80) Fluoranthene	19.492	202	495410	5.196	ng/ul	98
82) Pyrene	19.857	202	537525	5.344	ng/ul	98
83) Butylbenzylphthalate	20.763	149	112995	4.411	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.551	252	96665	3.574	ng/ul	94
85) Benzo(a)anthracene	21.622	228	504942	5.163	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.551	149	192016	4.517	ng/ul	96
87) Chrysene	21.674	228	482867	5.158	ng/ul	96
89) Di-n-octyl phthalate	22.516	149	295156	3.825	ng/ul	100
90) Benzo(b)fluoranthene	23.380	252	452096	4.976	ng/ul	97
91) Benzo(k)fluoranthene	23.427	252	483887	5.385	ng/ul	100
93) Benzo(a)pyrene	24.039	252	430392	5.349	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.774	276	458392m	4.524	ng/ul	
95) Dibenzo(a,h)anthracene	26.792	278	388141m	4.705	ng/ul	
96) Benzo(g,h,i)perylene	27.580	276	380697m	4.554	ng/ul	

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

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