Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031124\
Data File : BN030361.D
Acq On : 11 Mar 2024 15:30
Operator : MA/JU
Sample : P1601-05
Misc : SFAM-MDL-ME SOIL-01
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MDL-MED-SOIL-QT1-2024-01

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/12/2024
Supervised By :mohammad ahmed 03/12/2024

Quant Time: Mar 12 01:01:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN030824.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 08 13:57:34 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.793	152	116038	20.000	ng/ul	0.00
20) Naphthalene-d8	10.587	136	488730	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.451	164	300907	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.210	188	668268	20.000	ng/ul	0.00
79) Chrysene-d12	21.433	240	598265	20.000	ng/ul	0.00
88) Perylene-d12	23.786	264	566724	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.269	96	15073	4.384	ng/uL	0.00
4) Pyridine-d5	3.675	84	185874	22.646	ng/ul	0.00
7) Phenol-d5	6.963	99	209174	20.317	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.140	67	117490	20.098	ng/ul	0.00
11) 2-Chlorophenol-d4	7.322	132	180553	21.893	ng/ul	0.00
15) 4-Methylphenol-d8	8.505	113	170845	21.054	ng/ul	0.00
21) Nitrobenzene-d5	8.963	128	88916	21.804	ng/ul	0.00
24) 2-Nitrophenol-d4	9.675	143	94309	22.058	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.210	165	164656	21.594	ng/ul	0.00
31) 4-Chloroaniline-d4	10.740	131	240125	21.218	ng/ul	0.00
46) Dimethylphthalate-d6	13.875	166	549228	22.638	ng/ul	0.00
49) Acenaphthylene-d8	14.140	160	606316	22.060	ng/ul	0.00
54) 4-Nitrophenol-d4	14.657	143	90879	21.127	ng/ul	0.00
60) Fluorene-d10	15.451	176	451966	22.709	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.581	200	83102	19.909	ng/ul	0.00
73) Anthracene-d10	17.310	188	651113	20.065	ng/ul	0.00
81) Pyrene-d10	19.622	212	810805	21.341	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.633	264	682869	23.005	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.305	88	3634m	1.101	ng/uL	
5) Pyridine	3.699	79	39560	4.737	ng/ul#	80
6) Benzaldehyde	6.946	77	29010m	6.046	ng/ul	
8) Phenol	6.987	94	47338	4.621	ng/ul	99
10) Bis(2-Chloroethyl)ether	7.234	93	37528	4.584	ng/ul	99
12) 2-Chlorophenol	7.352	128	40501	4.773	ng/ul	97
13) 2-Methylphenol	8.240	108	34549	4.498	ng/ul	100
14) 2,2'-oxybis(1-Chloropr...	8.328	45	33647	4.520	ng/ul	95
16) Acetophenone	8.628	105	65167	4.997	ng/ul	98
17) N-Nitroso-di-n-propyla...	8.610	70	32055	5.137	ng/ul	96
18) 4-Methylphenol	8.563	108	38908	4.794	ng/ul	99
19) Hexachloroethane	8.857	117	18555	4.707	ng/ul	97
22) Nitrobenzene	8.999	77	50082	4.759	ng/ul	98
23) Isophorone	9.528	82	85506	4.700	ng/ul	99
25) 2-Nitrophenol	9.710	139	22926	4.978	ng/ul	94
26) 2,4-Dimethylphenol	9.769	107	33114	3.483	ng/ul	100
27) Bis(2-Chloroethoxy)met...	10.022	93	49973	4.683	ng/ul	97
29) 2,4-Dichlorophenol	10.234	162	38146	4.981	ng/ul	91
30) Naphthalene	10.640	128	140889	5.050	ng/ul	98
32) 4-Chloroaniline	10.763	127	54318	4.935	ng/ul	98
33) Hexachlorobutadiene	10.910	225	26065	4.879	ng/ul	99
34) Caprolactam	11.563	113	12429m	5.450	ng/ul	
35) 4-Chloro-3-methylphenol	11.887	107	41994	4.846	ng/ul	89
36) 2-Methylnaphthalene	12.257	142	93895	5.168	ng/ul	98

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Supervised By :mohammad ahmed 03/12/2024

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 08 13:57:34 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.481	142	97660	5.437	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.622	216	45789	4.819	ng/ul	98
40) Hexachlorocyclopentadiene	12.598	237	31774	4.464	ng/ul#	93
41) 2,4,6-Trichlorophenol	12.875	196	28159	4.671	ng/ul	95
42) 2,4,5-Trichlorophenol	12.945	196	30954	4.699	ng/ul	97
43) 1,1'-Biphenyl	13.281	154	125057	4.924	ng/ul	97
44) 2-Chloronaphthalene	13.322	162	97413	4.939	ng/ul	95
45) 2-Nitroaniline	13.540	65	24400m	4.291	ng/ul	
47) Dimethylphthalate	13.922	163	130321	5.285	ng/ul	97
48) 2,6-Dinitrotoluene	14.045	165	22887	4.806	ng/ul	92
50) Acenaphthylene	14.169	152	159808	4.997	ng/ul	97
51) 3-Nitroaniline	14.375	138	19500	4.179	ng/ul	92
52) Acenaphthene	14.516	153	106377	5.021	ng/ul	99
53) 2,4-Dinitrophenol	14.581	184	15838	5.919	ng/ul	96
55) 4-Nitrophenol	14.675	109	25941	5.319	ng/ul	92
56) Dibenzofuran	14.851	168	144336	5.108	ng/ul	99
57) 2,4-Dinitrotoluene	14.834	165	34122	5.021	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.081	232	25379	4.787	ng/ul	92
59) Diethylphthalate	15.292	149	135661	5.148	ng/ul	98
61) Fluorene	15.504	166	124089	5.319	ng/ul	91
62) 4-Chlorophenyl-phenyle...	15.510	204	57802	5.175	ng/ul	94
63) 4-Nitroaniline	15.539	138	20297m	4.698	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.592	198	24261	5.387	ng/ul#	94
67) N-Nitrosodiphenylamine	15.722	169	98162	4.656	ng/ul	99
68) 4-Bromophenyl-phenylether	16.404	248	33848	4.727	ng/ul	93
69) Hexachlorobenzene	16.504	284	39365	5.020	ng/ul	98
70) Atrazine	16.692	200	42366	5.838	ng/ul	95
71) Pentachlorophenol	16.857	266	28035	5.284	ng/ul	94
72) Phenanthrene	17.251	178	196921	5.053	ng/ul	99
74) Anthracene	17.345	178	182759	4.610	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.240	216	44794	4.490	ng/uL	96
76) Pentachlorobenzene	14.763	250	46288	4.975	ng/uL#	89
77) Carbazole	17.628	167	163478	4.643	ng/ul	98
78) Di-n-butylphthalate	18.204	149	226977	4.639	ng/ul	100
80) Fluoranthene	19.286	202	217031	4.662	ng/ul#	96
82) Pyrene	19.651	202	231509	4.838	ng/ul	99
83) Butylbenzylphthalate	20.580	149	99897	4.358	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.363	252	59821	4.601	ng/ul	99
85) Benzo(a)anthracene	21.416	228	222836	4.964	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.369	149	159687	4.602	ng/ul	98
87) Chrysene	21.469	228	210816	5.063	ng/ul	97
89) Di-n-octyl phthalate	22.292	149	264572	4.987	ng/ul	100
90) Benzo(b)fluoranthene	23.068	252	198531	5.313	ng/ul	96
91) Benzo(k)fluoranthene	23.121	252	191036	4.950	ng/ul	95
93) Benzo(a)pyrene	23.680	252	176667	4.996	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.204	276	186384	4.432	ng/ul	93
95) Dibenzo(a,h)anthracene	26.233	278	151575	4.421	ng/ul	96
96) Benzo(g,h,i)perylene	26.945	276	148556	4.361	ng/ul	99

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

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