Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101623\
Data File : BP017681.D
Acq On : 16 Oct 2023 14:31
Operator : MA/JU
Sample : 03573-05
Misc : SFAM-MDL-ME-SOIL-01
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT3-2023-05

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/17/2023
Supervised By :mohammad ahmed 10/18/2023

Quant Time: Oct 17 00:57:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP101223.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 12 16:14:36 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	77483	20.000	ng/ul	0.00
20) Naphthalene-d8	10.740	136	296996	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.604	164	188433	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.398	188	446811	20.000	ng/ul	0.00
79) Chrysene-d12	21.539	240	506551	20.000	ng/ul	0.00
88) Perylene-d12	24.116	264	590693	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.264	96	14861	7.071	ng/uL	0.00
4) Pyridine-d5	3.699	84	163396	28.125	ng/ul	0.00
7) Phenol-d5	7.058	99	184783	25.616	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.246	67	119369	27.286	ng/ul	0.00
11) 2-Chlorophenol-d4	7.422	132	151076	27.056	ng/ul	0.00
15) 4-Methylphenol-d8	8.622	113	143402	24.888	ng/ul	0.00
21) Nitrobenzene-d5	9.110	128	70104	28.102	ng/ul	0.00
24) 2-Nitrophenol-d4	9.828	143	73505	26.202	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.357	165	137754	26.127	ng/ul	0.00
31) 4-Chloroaniline-d4	10.916	131	199050	26.338	ng/ul	0.00
46) Dimethylphthalate-d6	14.022	166	460796	28.235	ng/ul	0.00
49) Acenaphthylene-d8	14.298	160	494227	28.123	ng/ul	0.00
54) 4-Nitrophenol-d4	14.857	143	64122m	23.493	ng/ul	0.00
60) Fluorene-d10	15.610	176	412462	29.712	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.757	200	59788	18.931	ng/ul	0.00
73) Anthracene-d10	17.498	188	659770	28.603	ng/ul	0.00
81) Pyrene-d10	19.757	212	841730	27.609	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.945	264	969308	29.231	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.305	88	2568	1.152	ng/uL#	77
5) Pyridine	3.722	79	25867	4.336	ng/ul#	61
6) Benzaldehyde	7.069	77	20945	5.732	ng/ul	95
8) Phenol	7.087	94	29256	4.086	ng/ul#	87
10) Bis(2-Chloroethyl)ether	7.340	93	24905	4.335	ng/ul	98
12) 2-Chlorophenol	7.458	128	24910	4.465	ng/ul	92
13) 2-Methylphenol	8.357	108	18095	3.395	ng/ul	93
14) 2,2'-oxybis(1-Chloropr...	8.422	45	32091m	4.330	ng/ul	
16) Acetophenone	8.763	105	36988	4.126	ng/ul	98
17) N-Nitroso-di-n-propyla...	8.728	70	17548	3.867	ng/ul	99
18) 4-Methylphenol	8.693	108	22833	3.941	ng/ul	93
19) Hexachloroethane	8.963	117	10816	4.340	ng/ul	96
22) Nitrobenzene	9.157	77	29783	4.648	ng/ul	96
23) Isophorone	9.669	82	44639	3.864	ng/ul	97
25) 2-Nitrophenol	9.863	139	12756	4.274	ng/ul	96
26) 2,4-Dimethylphenol	9.904	107	23895	4.029	ng/ul	94
27) Bis(2-Chloroethoxy)met...	10.163	93	31208	4.421	ng/ul	98
29) 2,4-Dichlorophenol	10.387	162	21181	4.163	ng/ul#	82
30) Naphthalene	10.793	128	82512	4.779	ng/ul	96
32) 4-Chloroaniline	10.940	127	29277	4.051	ng/ul	96
33) Hexachlorobutadiene	11.016	225	18604	4.729	ng/ul	94
34) Caprolactam	11.763	113	10157m	6.527	ng/ul	
35) 4-Chloro-3-methylphenol	12.057	107	18908	3.523	ng/ul	93
36) 2-Methylnaphthalene	12.410	142	52387	4.430	ng/ul	96

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	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1-Methylnaphthalene	12.634	142	55101	4.591	ng/ul	96
39)	1,2,4,5-Tetrachloroben...	12.763	216	32395	4.712	ng/ul	99
40)	Hexachlorocyclopentadiene	12.704	237	10958	3.548	ng/ul	92
41)	2,4,6-Trichlorophenol	13.034	196	14978	3.538	ng/ul	96
42)	2,4,5-Trichlorophenol	13.122	196	16807m	3.761	ng/ul	
43)	1,1'-Biphenyl	13.434	154	71479	4.628	ng/ul#	94
44)	2-Chloronaphthalene	13.481	162	57936	4.689	ng/ul	98
45)	2-Nitroaniline	13.740	65	10087	2.953	ng/ul	92
47)	Dimethylphthalate	14.069	163	73087	4.535	ng/ul	97
48)	2,6-Dinitrotoluene	14.222	165	10458	3.506	ng/ul	92
50)	Acenaphthylene	14.334	152	92844	4.670	ng/ul	99
51)	3-Nitroaniline	14.575	138	9292	3.089	ng/ul#	99
52)	Acenaphthene	14.669	153	61831	4.676	ng/ul	99
53)	2,4-Dinitrophenol	14.787	184	10442	5.669	ng/ul	91
55)	4-Nitrophenol	14.881	109	10874	4.252	ng/ul#	87
56)	Dibenzofuran	15.010	168	90660	4.779	ng/ul	98
57)	2,4-Dinitrotoluene	15.016	165	17188	3.733	ng/ul#	81
58)	2,3,4,6-Tetrachlorophenol	15.240	232	15095	3.651	ng/ul	94
59)	Diethylphthalate	15.434	149	69469	4.297	ng/ul	98
61)	Fluorene	15.663	166	73523	4.701	ng/ul	94
62)	4-Chlorophenyl-phenyle...	15.657	204	40507	4.871	ng/ul	97
63)	4-Nitroaniline	15.751	138	11743	3.928	ng/ul#	1
66)	4,6-Dinitro-2-methylph...	15.775	198	11297	3.415	ng/ul#	79
67)	N-Nitrosodiphenylamine	15.892	169	56873	4.260	ng/ul	98
68)	4-Bromophenyl-phenylether	16.569	248	23566	4.374	ng/ul	98
69)	Hexachlorobenzene	16.651	284	29145	4.545	ng/ul	95
70)	Atrazine	16.857	200	19592	3.792	ng/ul	94
71)	Pentachlorophenol	17.034	266	15430	3.973	ng/ul	97
72)	Phenanthrene	17.439	178	122095	4.645	ng/ul	99
74)	Anthracene	17.534	178	122472	4.606	ng/ul	98
75)	1,2,3,4-Tetrachloroben...	13.381	216	31304	4.440	ng/uL	96
76)	Pentachlorobenzene	14.904	250	35383	4.891	ng/uL	99
77)	Carbazole	17.833	167	92425	3.838	ng/ul	99
78)	Di-n-butylphthalate	18.339	149	97752	3.296	ng/ul#	95
80)	Fluoranthene	19.428	202	141143	4.051	ng/ul	99
82)	Pyrene	19.786	202	165791	4.555	ng/ul	99
83)	Butylbenzylphthalate	20.657	149	40584	2.866	ng/ul	97
84)	3,3'-Dichlorobenzidine	21.474	252	55123	4.248	ng/ul	99
85)	Benzo(a)anthracene	21.527	228	166102	4.276	ng/ul	98
86)	Bis(2-ethylhexyl)phtha...	21.404	149	53991	2.522	ng/ul	96
87)	Chrysene	21.580	228	167627	4.677	ng/ul	99
89)	Di-n-octyl phthalate	22.392	149	98908	2.564	ng/ul	100
90)	Benzo(b)fluoranthene	23.316	252	171403	4.261	ng/ul	98
91)	Benzo(k)fluoranthene	23.368	252	171289	4.280	ng/ul	98
93)	Benzo(a)pyrene	23.998	252	162689	4.343	ng/ul	98
94)	Indeno(1,2,3-cd)pyrene	26.851	276	200988	4.375	ng/ul	96
95)	Dibenzo(a,h)anthracene	26.880	278	169586	4.405	ng/ul	98
96)	Benzo(g,h,i)perylene	27.709	276	168523	4.614	ng/ul	96

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

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