

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101623\
 Data File : BP017678.D
 Acq On : 16 Oct 2023 12:35
 Operator : MA/JU
 Sample : 02215-06
 Misc : SFAM-MDL-ME-SOIL-02
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-MED-SOIL-QT2-2023-04

Quant Time: Oct 16 16:01:32 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

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	69253	20.000	ng/u1	0.00
20) Naphthalene-d8	10.746	136	272518	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.610	164	166382	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.404	188	384198	20.000	ng/u1	0.00
79) Chrysene-d12	21.545	240	442335	20.000	ng/u1	0.00
88) Perylene-d12	24.121	264	512788	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.264	96	12782	6.805	ng/uL	0.00
4) Pyridine-d5	3.699	84	146748	28.262	ng/u1	0.00
7) Phenol-d5	7.063	99	167398	25.963	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.252	67	111233	28.448	ng/u1	0.00
11) 2-Chlorophenol-d4	7.428	132	136898	27.431	ng/u1	0.00
15) 4-Methylphenol-d8	8.628	113	133373	25.899	ng/u1	0.00
21) Nitrobenzene-d5	9.116	128	62076	27.119	ng/u1	0.00
24) 2-Nitrophenol-d4	9.834	143	67099	26.067	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.363	165	125399	25.920	ng/u1	0.00
31) 4-Chloroaniline-d4	10.916	131	176043	25.386	ng/u1	0.00
46) Dimethylphthalate-d6	14.028	166	395313	27.433	ng/u1	0.00
49) Acenaphthylene-d8	14.304	160	440062	28.359	ng/u1	0.00
54) 4-Nitrophenol-d4	14.869	143	58709m	24.361	ng/u1	0.02
60) Fluorene-d10	15.616	176	367962	30.019	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.763	200	51532m	18.976	ng/u1	0.00
73) Anthracene-d10	17.504	188	582001	29.344	ng/u1	0.00
81) Pyrene-d10	19.763	212	733932	27.568	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.951	264	857138	29.775	ng/u1	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.311	88	2226m	1.117	ng/uL	
5) Pyridine	3.728	79	24922	4.674	ng/u1#	81
6) Benzaldehyde	7.075	77	19194	5.877	ng/u1	95
8) Phenol	7.093	94	27852	4.353	ng/u1	93
10) Bis(2-Chloroethyl)ether	7.346	93	23640	4.604	ng/u1	93
12) 2-Chlorophenol	7.463	128	23620	4.737	ng/u1	93
13) 2-Methylphenol	8.363	108	16906	3.549	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.428	45	29552m	4.461	ng/u1	
16) Acetophenone	8.769	105	33868	4.227	ng/u1#	92
17) N-Nitroso-di-n-propyla...	8.734	70	16443	4.054	ng/u1	95
18) 4-Methylphenol	8.699	108	19953	3.853	ng/u1	94
19) Hexachloroethane	8.969	117	10617	4.766	ng/u1	97
22) Nitrobenzene	9.163	77	28090	4.778	ng/u1	94
23) Isophorone	9.675	82	41192m	3.886	ng/u1	
25) 2-Nitrophenol	9.869	139	11717	4.279	ng/u1#	92
26) 2,4-Dimethylphenol	9.916	107	23402m	4.301	ng/u1	
27) Bis(2-Chloroethoxy)met...	10.169	93	28322	4.372	ng/u1	95
29) 2,4-Dichlorophenol	10.399	162	19768	4.235	ng/u1	95
30) Naphthalene	10.793	128	73894	4.664	ng/u1	100
32) 4-Chloroaniline	10.946	127	26988	4.070	ng/u1	100
33) Hexachlorobutadiene	11.016	225	17370	4.812	ng/u1	91
34) Caprolactam	11.775	113	8416m	5.894	ng/u1	
35) 4-Chloro-3-methylphenol	12.069	107	15877	3.224	ng/u1	88
36) 2-Methylnaphthalene	12.416	142	45172	4.163	ng/u1	95

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37) 1-Methylnaphthalene	12.634	142	49612	4.505	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.769	216	28629	4.716	ng/ul	90
40) Hexachlorocyclopentadiene	12.704	237	9417	3.453	ng/ul#	97
41) 2,4,6-Trichlorophenol	13.040	196	13407	3.587	ng/ul	97
42) 2,4,5-Trichlorophenol	13.122	196	15125m	3.833	ng/ul	
43) 1,1'-Biphenyl	13.434	154	64103	4.701	ng/ul	98
44) 2-Chloronaphthalene	13.487	162	51311	4.703	ng/ul	98
45) 2-Nitroaniline	13.740	65	10876m	3.606	ng/ul	
47) Dimethylphthalate	14.075	163	62726	4.408	ng/ul	99
48) 2,6-Dinitrotoluene	14.228	165	9008	3.420	ng/ul#	83
50) Acenaphthylene	14.334	152	82818	4.718	ng/ul	99
51) 3-Nitroaniline	14.581	138	8745m	3.292	ng/ul	
52) Acenaphthene	14.675	153	56316	4.823	ng/ul	96
53) 2,4-Dinitrophenol	14.798	184	11172m	6.870	ng/ul	
55) 4-Nitrophenol	14.881	109	9834m	4.355	ng/ul	
56) Dibenzofuran	15.016	168	79439	4.743	ng/ul	100
57) 2,4-Dinitrotoluene	15.028	165	15209	3.741	ng/ul#	97
58) 2,3,4,6-Tetrachlorophenol	15.245	232	13307	3.645	ng/ul	97
59) Diethylphthalate	15.440	149	59246	4.151	ng/ul	99
61) Fluorene	15.675	166	64206	4.649	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.663	204	33603	4.576	ng/ul	94
63) 4-Nitroaniline	15.757	138	10424	3.949	ng/ul#	14
66) 4,6-Dinitro-2-methylph...	15.781	198	10015	3.521	ng/ul#	91
67) N-Nitrosodiphenylamine	15.898	169	51982	4.528	ng/ul	96
68) 4-Bromophenyl-phenylether	16.575	248	20519	4.429	ng/ul	94
69) Hexachlorobenzene	16.657	284	25066	4.546	ng/ul	99
70) Atrazine	16.857	200	16787	3.778	ng/ul	95
71) Pentachlorophenol	17.039	266	12665	3.793	ng/ul	99
72) Phenanthrene	17.445	178	107425	4.753	ng/ul	98
74) Anthracene	17.539	178	105741	4.625	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.387	216	28145	4.643	ng/ul	98
76) Pentachlorobenzene	14.904	250	30927	4.971	ng/ul	95
77) Carbazole	17.839	167	81240	3.924	ng/ul	99
78) Di-n-butylphthalate	18.345	149	84560	3.316	ng/ul	98
80) Fluoranthene	19.433	202	121789	4.003	ng/ul	99
82) Pyrene	19.792	202	141598	4.455	ng/ul	99
83) Butylbenzylphthalate	20.663	149	32972	2.666	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.480	252	51076	4.508	ng/ul	99
85) Benzo(a)anthracene	21.527	228	147027	4.335	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.410	149	46211	2.471	ng/ul	96
87) Chrysene	21.586	228	141711	4.528	ng/ul	99
89) Di-n-octyl phthalate	22.392	149	84330	2.519	ng/ul	100
90) Benzo(b)fluoranthene	23.321	252	148331	4.248	ng/ul	97
91) Benzo(k)fluoranthene	23.374	252	152931	4.402	ng/ul#	95
93) Benzo(a)pyrene	24.004	252	143234	4.405	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.862	276	177996	4.464	ng/ul	99
95) Dibenzo(a,h)anthracene	26.898	278	151270	4.526	ng/ul	97
96) Benzo(g,h,i)perylene	27.715	276	149920	4.728	ng/ul	98

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

