

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101623\
 Data File : BP017677.D
 Acq On : 16 Oct 2023 11:58
 Operator : MA/JU
 Sample : 02215-04
 Misc : SFAM-MDL-SOIL-02
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Oct 16 15:59:11 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	7.911	152	76781	20.000	ng/u1	0.00
20) Naphthalene-d8	10.752	136	302822	20.000	ng/u1	0.01
38) Acenaphthene-d10	14.616	164	187274	20.000	ng/u1	0.01
64) Phenanthrene-d10	17.410	188	438383	20.000	ng/u1	0.01
79) Chrysene-d12	21.551	240	500523	20.000	ng/u1	0.00
88) Perylene-d12	24.133	264	590282	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.264	96	13569	6.516	ng/uL	0.00
4) Pyridine-d5	3.705	84	148246	25.751	ng/u1	0.00
7) Phenol-d5	7.069	99	173174	24.226	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.258	67	111785	25.786	ng/u1	0.00
11) 2-Chlorophenol-d4	7.434	132	140500	25.392	ng/u1	0.01
15) 4-Methylphenol-d8	8.634	113	133990	23.467	ng/u1	0.00
21) Nitrobenzene-d5	9.122	128	64050	25.182	ng/u1	0.00
24) 2-Nitrophenol-d4	9.840	143	67420	23.570	ng/u1	0.01
28) 2,4-Dichlorophenol-d3	10.375	165	124268	23.115	ng/u1	0.02
31) 4-Chloroaniline-d4	10.922	131	184303	23.918	ng/u1	0.01
46) Dimethylphthalate-d6	14.028	166	404549	24.942	ng/u1	0.00
49) Acenaphthylene-d8	14.310	160	438553	25.109	ng/u1	0.00
54) 4-Nitrophenol-d4	14.875	143	61114m	22.530	ng/u1	0.02
60) Fluorene-d10	15.622	176	366143	26.538	ng/u1	0.01
65) 4,6-Dinitro-2-methylph...	15.769	200	52438	16.923	ng/u1	0.01
73) Anthracene-d10	17.510	188	590436	26.090	ng/u1	0.01
81) Pyrene-d10	19.769	212	753405	25.009	ng/u1	0.01
92) Benzo(a)pyrene-d12	23.957	264	881720	26.608	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.311	88	2682m	1.214	ng/uL	
5) Pyridine	3.728	79	24514	4.146	ng/u1#	69
6) Benzaldehyde	7.075	77	20931	5.781	ng/u1	86
8) Phenol	7.099	94	28417m	4.006	ng/u1	
10) Bis(2-Chloroethyl)ether	7.352	93	22715	3.990	ng/u1	98
12) 2-Chlorophenol	7.463	128	23424	4.237	ng/u1	94
13) 2-Methylphenol	8.369	108	17570	3.327	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.428	45	29452m	4.010	ng/u1	
16) Acetophenone	8.775	105	33642	3.787	ng/u1	95
17) N-Nitroso-di-n-propyla...	8.734	70	17387	3.867	ng/u1	90
18) 4-Methylphenol	8.705	108	20867	3.635	ng/u1	96
19) Hexachloroethane	8.975	117	10507	4.254	ng/u1	96
22) Nitrobenzene	9.163	77	27750	4.247	ng/u1	100
23) Isophorone	9.681	82	40349	3.425	ng/u1	98
25) 2-Nitrophenol	9.875	139	11230	3.690	ng/u1	90
26) 2,4-Dimethylphenol	9.916	107	23121	3.824	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.175	93	27772	3.858	ng/u1	98
29) 2,4-Dichlorophenol	10.399	162	21141	4.075	ng/u1	95
30) Naphthalene	10.799	128	75397	4.283	ng/u1	97
32) 4-Chloroaniline	10.952	127	27379	3.716	ng/u1	91
33) Hexachlorobutadiene	11.022	225	17110	4.266	ng/u1	98
34) Caprolactam	11.781	113	9102m	5.737	ng/u1	
35) 4-Chloro-3-methylphenol	12.069	107	18485m	3.378	ng/u1	
36) 2-Methylnaphthalene	12.422	142	47946	3.977	ng/u1	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.646	142	50019	4.087	ng/ul	89
39) 1,2,4,5-Tetrachloroben...	12.775	216	29029	4.249	ng/ul	98
40) Hexachlorocyclopentadiene	12.716	237	10991	3.581	ng/ul	97
41) 2,4,6-Trichlorophenol	13.046	196	12894	3.065	ng/ul	90
42) 2,4,5-Trichlorophenol	13.128	196	15031m	3.384	ng/ul	
43) 1,1'-Biphenyl	13.440	154	65490	4.267	ng/ul	100
44) 2-Chloronaphthalene	13.487	162	52314	4.260	ng/ul	98
45) 2-Nitroaniline	13.746	65	10818m	3.187	ng/ul	
47) Dimethylphthalate	14.075	163	64372	4.019	ng/ul	99
48) 2,6-Dinitrotoluene	14.234	165	9158	3.089	ng/ul#	92
50) Acenaphthylene	14.340	152	81515	4.126	ng/ul	97
51) 3-Nitroaniline	14.587	138	8810m	2.947	ng/ul	
52) Acenaphthene	14.681	153	54928	4.180	ng/ul	95
53) 2,4-Dinitrophenol	14.798	184	10268m	5.609	ng/ul	
55) 4-Nitrophenol	14.881	109	10408m	4.095	ng/ul	
56) Dibenzofuran	15.022	168	80273	4.258	ng/ul	98
57) 2,4-Dinitrotoluene	15.028	165	15107	3.301	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.251	232	14480	3.524	ng/ul#	91
59) Diethylphthalate	15.440	149	61945	3.856	ng/ul	98
61) Fluorene	15.675	166	67500	4.343	ng/ul	91
62) 4-Chlorophenyl-phenyle...	15.669	204	34813	4.212	ng/ul	96
63) 4-Nitroaniline	15.763	138	10701m	3.602	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.781	198	10601m	3.267	ng/ul	
67) N-Nitrosodiphenylamine	15.898	169	49908	3.810	ng/ul	98
68) 4-Bromophenyl-phenylether	16.581	248	20668	3.910	ng/ul	99
69) Hexachlorobenzene	16.657	284	26906m	4.277	ng/ul	
70) Atrazine	16.863	200	16495m	3.254	ng/ul	
71) Pentachlorophenol	17.045	266	14451m	3.793	ng/ul	
72) Phenanthrene	17.451	178	109488	4.245	ng/ul	99
74) Anthracene	17.545	178	107650	4.126	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.393	216	29240	4.227	ng/ul	90
76) Pentachlorobenzene	14.910	250	31466	4.433	ng/ul	96
77) Carbazole	17.845	167	84523	3.578	ng/ul	98
78) Di-n-butylphthalate	18.351	149	84029	2.888	ng/ul	100
80) Fluoranthene	19.439	202	122315	3.553	ng/ul	99
82) Pyrene	19.798	202	145113	4.035	ng/ul	98
83) Butylbenzylphthalate	20.669	149	36531	2.611	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.486	252	45508	3.550	ng/ul	98
85) Benzo(a)anthracene	21.539	228	150025	3.909	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.416	149	47204	2.231	ng/ul	98
87) Chrysene	21.592	228	150899	4.261	ng/ul	99
89) Di-n-octyl phthalate	22.404	149	87910	2.281	ng/ul	100
90) Benzo(b)fluoranthene	23.327	252	157010	3.906	ng/ul	99
91) Benzo(k)fluoranthene	23.380	252	153719	3.844	ng/ul	96
93) Benzo(a)pyrene	24.016	252	150279	4.015	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.874	276	184050	4.010	ng/ul	97
95) Dibenzo(a,h)anthracene	26.910	278	155603	4.045	ng/ul	94
96) Benzo(g,h,i)perylene	27.727	276	153100	4.194	ng/ul	96

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

