

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101323\
 Data File : BP017668.D
 Acq On : 13 Oct 2023 16:28
 Operator : MA/JU
 Sample : 02215-05
 Misc : SFAM-MDL-ME-SOIL-01
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-MED-SOIL-QT2-2023-03

Quant Time: Oct 14 01:33:27 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 10/16/2023
 Supervised By :mohammad ahmed 10/17/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	88638	20.000	ng/u1	0.00
20) Naphthalene-d8	10.751	136	359044	20.000	ng/u1	0.01
38) Acenaphthene-d10	14.616	164	227840	20.000	ng/u1	0.01
64) Phenanthrene-d10	17.404	188	523062	20.000	ng/u1	0.00
79) Chrysene-d12	21.551	240	569232	20.000	ng/u1	0.00
88) Perylene-d12	24.127	264	664277	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.264	96	15255m	6.345	ng/uL	0.00
4) Pyridine-d5	3.705	84	180227	27.118	ng/u1	0.00
7) Phenol-d5	7.069	99	204473	24.778	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.257	67	129424	25.862	ng/u1	0.00
11) 2-Chlorophenol-d4	7.434	132	167369	26.202	ng/u1	0.01
15) 4-Methylphenol-d8	8.634	113	157323	23.868	ng/u1	0.00
21) Nitrobenzene-d5	9.122	128	76706	25.435	ng/u1	0.00
24) 2-Nitrophenol-d4	9.840	143	80763	23.814	ng/u1	0.01
28) 2,4-Dichlorophenol-d3	10.369	165	155423	24.384	ng/u1	0.01
31) 4-Chloroaniline-d4	10.922	131	219593	24.035	ng/u1	0.01
46) Dimethylphthalate-d6	14.034	166	500076	25.342	ng/u1	0.01
49) Acenaphthylene-d8	14.310	160	546635	25.725	ng/u1	0.00
54) 4-Nitrophenol-d4	14.869	143	54696	16.574	ng/u1	0.02
60) Fluorene-d10	15.622	176	449342	26.770	ng/u1	0.01
65) 4,6-Dinitro-2-methylph...	15.763	200	65571	17.736	ng/u1	0.00
73) Anthracene-d10	17.510	188	708472	26.237	ng/u1	0.01
81) Pyrene-d10	19.763	212	872262	25.460	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.957	264	988857	26.517	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.305	88	3019	1.184	ng/uL	95
5) Pyridine	3.728	79	29081	4.261	ng/u1#	68
6) Benzaldehyde	7.075	77	23254	5.563	ng/u1	94
8) Phenol	7.099	94	32716	3.995	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.352	93	27960	4.255	ng/u1	98
12) 2-Chlorophenol	7.469	128	25882	4.055	ng/u1	91
13) 2-Methylphenol	8.369	108	21536	3.532	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.434	45	34491m	4.068	ng/u1	
16) Acetophenone	8.775	105	39595	3.861	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.734	70	20041	3.861	ng/u1	99
18) 4-Methylphenol	8.704	108	24715	3.729	ng/u1	92
19) Hexachloroethane	8.975	117	12436	4.362	ng/u1	98
22) Nitrobenzene	9.169	77	31839	4.110	ng/u1	95
23) Isophorone	9.681	82	49723	3.560	ng/u1	99
25) 2-Nitrophenol	9.869	139	14202	3.936	ng/u1	93
26) 2,4-Dimethylphenol	9.916	107	28067	3.915	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.175	93	35008	4.102	ng/u1	94
29) 2,4-Dichlorophenol	10.404	162	24913	4.051	ng/u1	94
30) Naphthalene	10.798	128	89488	4.287	ng/u1	100
32) 4-Chloroaniline	10.951	127	33680	3.855	ng/u1	98
33) Hexachlorobutadiene	11.028	225	20910	4.397	ng/u1	97
34) Caprolactam	11.775	113	11442	6.082	ng/u1	97
35) 4-Chloro-3-methylphenol	12.069	107	21039	3.242	ng/u1	95
36) 2-Methylnaphthalene	12.422	142	57619	4.031	ng/u1	96

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37) 1-Methylnaphthalene	12.640	142	60339	4.159	ng/ul#	96
39) 1,2,4,5-Tetrachloroben...	12.775	216	36106	4.344	ng/ul#	95
40) Hexachlorocyclopentadiene	12.716	237	15716	4.209	ng/ul	92
41) 2,4,6-Trichlorophenol	13.039	196	16503	3.224	ng/ul	98
42) 2,4,5-Trichlorophenol	13.128	196	17936	3.319	ng/ul	90
43) 1,1'-Biphenyl	13.439	154	79155	4.239	ng/ul	96
44) 2-Chloronaphthalene	13.487	162	63245	4.234	ng/ul	98
45) 2-Nitroaniline	13.739	65	11616	2.813	ng/ul	91
47) Dimethylphthalate	14.081	163	80115	4.111	ng/ul	100
48) 2,6-Dinitrotoluene	14.234	165	10528	2.919	ng/ul#	80
50) Acenaphthylene	14.339	152	98437	4.095	ng/ul	97
51) 3-Nitroaniline	14.581	138	11331m	3.115	ng/ul	
52) Acenaphthene	14.681	153	67803	4.241	ng/ul	99
53) 2,4-Dinitrophenol	14.792	184	8144	3.657	ng/ul	98
55) 4-Nitrophenol	14.881	109	10121m	3.273	ng/ul	
56) Dibenzofuran	15.022	168	99003	4.316	ng/ul	99
57) 2,4-Dinitrotoluene	15.028	165	17973	3.228	ng/ul	90
58) 2,3,4,6-Tetrachlorophenol	15.245	232	17265	3.454	ng/ul#	85
59) Diethylphthalate	15.439	149	74122	3.792	ng/ul	99
61) Fluorene	15.675	166	80174	4.240	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.669	204	41942	4.171	ng/ul	96
63) 4-Nitroaniline	15.757	138	13387	3.703	ng/ul#	38
66) 4,6-Dinitro-2-methylph...	15.781	198	11674	3.015	ng/ul#	70
67) N-Nitrosodiphenylamine	15.898	169	62447	3.995	ng/ul	96
68) 4-Bromophenyl-phenylether	16.580	248	25797	4.090	ng/ul	91
69) Hexachlorobenzene	16.657	284	31363	4.178	ng/ul	95
70) Atrazine	16.863	200	20917	3.458	ng/ul	95
71) Pentachlorophenol	17.045	266	17734	3.901	ng/ul	98
72) Phenanthrene	17.451	178	129293	4.202	ng/ul	99
74) Anthracene	17.545	178	130063	4.178	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.392	216	33990	4.118	ng/ul	97
76) Pentachlorobenzene	14.910	250	38745	4.575	ng/ul	95
77) Carbazole	17.839	167	101020	3.584	ng/ul	99
78) Di-n-butylphthalate	18.351	149	106375	3.064	ng/ul	99
80) Fluoranthene	19.433	202	150413	3.842	ng/ul	99
82) Pyrene	19.792	202	171134	4.184	ng/ul	99
83) Butylbenzylphthalate	20.668	149	43488	2.733	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.480	252	43192	2.962	ng/ul	94
85) Benzo(a)anthracene	21.533	228	174765	4.004	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.410	149	59221	2.461	ng/ul#	99
87) Chrysene	21.592	228	169238	4.202	ng/ul	98
89) Di-n-octyl phthalate	22.398	149	101651	2.344	ng/ul	100
90) Benzo(b)fluoranthene	23.327	252	175583	3.882	ng/ul	99
91) Benzo(k)fluoranthene	23.380	252	179525	3.989	ng/ul	96
93) Benzo(a)pyrene	24.009	252	160829	3.818	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.868	276	206462	3.997	ng/ul	100
95) Dibenzo(a,h)anthracene	26.898	278	176146	4.069	ng/ul	98
96) Benzo(g,h,i)perylene	27.715	276	168679	4.106	ng/ul	98

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

