

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101623\
 Data File : BP017680.D
 Acq On : 16 Oct 2023 13:57
 Operator : MA/JU
 Sample : 03573-03
 Misc : SFAM-MDL-SOIL-01
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Oct 17 00:53:46 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

Supervised By :mohammad
 ahmed
 10/18/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	61002	20.000	ng/u1	0.00
20) Naphthalene-d8	10.740	136	241757	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.604	164	147143	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.398	188	340482	20.000	ng/u1	0.00
79) Chrysene-d12	21.545	240	380045	20.000	ng/u1	0.00
88) Perylene-d12	24.116	264	437631	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.264	96	11178	6.756	ng/uL	0.00
4) Pyridine-d5	3.699	84	126996	27.766	ng/u1	0.00
7) Phenol-d5	7.058	99	150600	26.517	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.246	67	98105	28.484	ng/u1	0.00
11) 2-Chlorophenol-d4	7.422	132	122192	27.796	ng/u1	0.00
15) 4-Methylphenol-d8	8.622	113	114498	25.241	ng/u1	0.00
21) Nitrobenzene-d5	9.110	128	55242	27.205	ng/u1	0.00
24) 2-Nitrophenol-d4	9.828	143	59386	26.006	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.363	165	106706	24.862	ng/u1	0.00
31) 4-Chloroaniline-d4	10.916	131	154978	25.192	ng/u1	0.00
46) Dimethylphthalate-d6	14.022	166	352823	27.686	ng/u1	0.00
49) Acenaphthylene-d8	14.304	160	385929	28.123	ng/u1	0.00
54) 4-Nitrophenol-d4	14.869	143	35901m	16.845	ng/u1	0.02
60) Fluorene-d10	15.610	176	317813	29.318	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.757	200	42080	17.485	ng/u1	0.00
73) Anthracene-d10	17.498	188	512435	29.154	ng/u1	0.00
81) Pyrene-d10	19.757	212	644148	28.161	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.945	264	731535	29.776	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.299	88	2317	1.320	ng/uL#	88
5) Pyridine	3.722	79	20563	4.378	ng/u1#	68
6) Benzaldehyde	7.069	77	17215	5.984	ng/u1	92
8) Phenol	7.087	94	24351	4.320	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.340	93	20351	4.500	ng/u1	95
12) 2-Chlorophenol	7.458	128	19057	4.339	ng/u1	93
13) 2-Methylphenol	8.363	108	14651	3.492	ng/u1	87
14) 2,2'-oxybis(1-Chloropr...	8.416	45	25989	4.454	ng/u1#	92
16) Acetophenone	8.769	105	29415	4.167	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.728	70	14962	4.188	ng/u1	98
18) 4-Methylphenol	8.693	108	18216	3.994	ng/u1	100
19) Hexachloroethane	8.969	117	9267	4.723	ng/u1	97
22) Nitrobenzene	9.152	77	25260	4.843	ng/u1#	89
23) Isophorone	9.669	82	34597	3.679	ng/u1	95
25) 2-Nitrophenol	9.863	139	9746	4.012	ng/u1#	81
26) 2,4-Dimethylphenol	9.910	107	19155	3.968	ng/u1	93
27) Bis(2-Chloroethoxy)met...	10.163	93	25097	4.367	ng/u1	97
29) 2,4-Dichlorophenol	10.393	162	18378	4.438	ng/u1	92
30) Naphthalene	10.793	128	66589	4.738	ng/u1	98
32) 4-Chloroaniline	10.940	127	24532	4.170	ng/u1	99
33) Hexachlorobutadiene	11.010	225	15793	4.932	ng/u1	99
34) Caprolactam	11.775	113	7450m	5.881	ng/u1	
35) 4-Chloro-3-methylphenol	12.069	107	13828	3.165	ng/u1	96
36) 2-Methylnaphthalene	12.410	142	41263	4.287	ng/u1	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.634	142	43770	4.480	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.763	216	25726	4.792	ng/ul	97
40) Hexachlorocyclopentadiene	12.704	237	7845	3.253	ng/ul#	84
41) 2,4,6-Trichlorophenol	13.034	196	10751	3.252	ng/ul	97
42) 2,4,5-Trichlorophenol	13.122	196	12102m	3.468	ng/ul	
43) 1,1'-Biphenyl	13.434	154	57789	4.792	ng/ul	95
44) 2-Chloronaphthalene	13.481	162	44997	4.664	ng/ul	96
45) 2-Nitroaniline	13.734	65	8974m	3.365	ng/ul	
47) Dimethylphthalate	14.069	163	56777	4.512	ng/ul#	99
48) 2,6-Dinitrotoluene	14.228	165	7075	3.038	ng/ul#	73
50) Acenaphthylene	14.334	152	70064	4.513	ng/ul	97
51) 3-Nitroaniline	14.575	138	6608m	2.813	ng/ul	
52) Acenaphthene	14.669	153	48064	4.655	ng/ul	99
53) 2,4-Dinitrophenol	14.798	184	7414	5.155	ng/ul	90
55) 4-Nitrophenol	14.881	109	7221	3.616	ng/ul#	79
56) Dibenzofuran	15.010	168	72160	4.871	ng/ul	99
57) 2,4-Dinitrotoluene	15.022	165	12424	3.456	ng/ul#	91
58) 2,3,4,6-Tetrachlorophenol	15.240	232	12087	3.744	ng/ul#	90
59) Diethylphthalate	15.434	149	53014	4.200	ng/ul	98
61) Fluorene	15.669	166	58038	4.752	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.657	204	28799	4.435	ng/ul	97
63) 4-Nitroaniline	15.757	138	8403m	3.600	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.775	198	8462	3.357	ng/ul#	88
67) N-Nitrosodiphenylamine	15.892	169	44274	4.352	ng/ul	99
68) 4-Bromophenyl-phenylether	16.569	248	17640	4.297	ng/ul	98
69) Hexachlorobenzene	16.651	284	22184	4.540	ng/ul#	89
70) Atrazine	16.857	200	13689	3.477	ng/ul	92
71) Pentachlorophenol	17.034	266	11451	3.870	ng/ul	91
72) Phenanthrene	17.439	178	93624	4.674	ng/ul	99
74) Anthracene	17.534	178	93935	4.636	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.387	216	25730	4.789	ng/ul	94
76) Pentachlorobenzene	14.898	250	28340	5.140	ng/ul	98
77) Carbazole	17.833	167	69347	3.779	ng/ul	97
78) Di-n-butylphthalate	18.339	149	71430	3.161	ng/ul	97
80) Fluoranthene	19.428	202	108101	4.135	ng/ul	99
82) Pyrene	19.786	202	124057	4.543	ng/ul#	96
83) Butylbenzylphthalate	20.657	149	29039	2.733	ng/ul	93
84) 3,3'-Dichlorobenzidine	21.474	252	43181	4.436	ng/ul	99
85) Benzo(a)anthracene	21.527	228	122995	4.221	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.404	149	39070	2.432	ng/ul	100
87) Chrysene	21.580	228	127937	4.757	ng/ul	98
89) Di-n-octyl phthalate	22.392	149	70677	2.473	ng/ul	100
90) Benzo(b)fluoranthene	23.316	252	130958	4.394	ng/ul	99
91) Benzo(k)fluoranthene	23.368	252	134967	4.552	ng/ul	95
93) Benzo(a)pyrene	23.998	252	123248	4.441	ng/ul#	94
94) Indeno(1,2,3-cd)pyrene	26.857	276	151889	4.463	ng/ul	97
95) Dibenzo(a,h)anthracene	26.886	278	130050	4.560	ng/ul	98
96) Benzo(g,h,i)perylene	27.704	276	128273	4.740	ng/ul	97

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

