

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101723\
 Data File : BP017696.D
 Acq On : 17 Oct 2023 13:38
 Operator : MA/JU
 Sample : 03573-06
 Misc : SFAM-MDL-ME-SOIL-02
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-MED-SOIL-QT3-2023-06

Quant Time: Oct 17 14:31:17 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 10/18/2023
 Supervised By :mohammad ahmed 10/19/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	68840	20.000	ng/u1	0.00
20) Naphthalene-d8	10.746	136	270734	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.610	164	166101	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.398	188	378348	20.000	ng/u1	0.00
79) Chrysene-d12	21.545	240	415468	20.000	ng/u1	0.00
88) Perylene-d12	24.116	264	471408	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.264	96	10267	5.499	ng/uL	0.00
4) Pyridine-d5	3.699	84	118029	22.867	ng/u1	0.00
7) Phenol-d5	7.063	99	134112	20.926	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.252	67	90562	23.301	ng/u1	0.00
11) 2-Chlorophenol-d4	7.428	132	113066	22.792	ng/u1	0.00
15) 4-Methylphenol-d8	8.628	113	104049	20.326	ng/u1	0.00
21) Nitrobenzene-d5	9.116	128	50406	22.166	ng/u1	0.00
24) 2-Nitrophenol-d4	9.834	143	51279	20.052	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.369	165	97098	20.202	ng/u1	0.01
31) 4-Chloroaniline-d4	10.916	131	142672	20.710	ng/u1	0.00
46) Dimethylphthalate-d6	14.022	166	314349	21.852	ng/u1	0.00
49) Acenaphthylene-d8	14.304	160	342710	22.123	ng/u1	0.00
54) 4-Nitrophenol-d4	14.869	143	40778	16.949	ng/u1	0.02
60) Fluorene-d10	15.610	176	287974	23.533	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.763	200	36921	13.806	ng/u1	0.00
73) Anthracene-d10	17.504	188	441366	22.597	ng/u1	0.00
81) Pyrene-d10	19.757	212	563135	22.520	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.945	264	647782	24.478	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.305	88	2587m	1.306	ng/uL	
5) Pyridine	3.728	79	17534	3.308	ng/u1#	61
6) Benzaldehyde	7.081	77	15473	4.766	ng/u1	93
8) Phenol	7.093	94	27222	4.280	ng/u1	94
10) Bis(2-Chloroethyl)ether	7.352	93	22252	4.360	ng/u1	96
12) 2-Chlorophenol	7.463	128	20934	4.224	ng/u1	97
13) 2-Methylphenol	8.363	108	17169	3.626	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.428	45	29698	4.510	ng/u1#	92
16) Acetophenone	8.769	105	34311	4.308	ng/u1	94
17) N-Nitroso-di-n-propyla...	8.728	70	16205	4.020	ng/u1	97
18) 4-Methylphenol	8.699	108	19239	3.738	ng/u1	88
19) Hexachloroethane	8.969	117	9694	4.378	ng/u1	96
22) Nitrobenzene	9.163	77	27051	4.631	ng/u1	92
23) Isophorone	9.675	82	40698	3.864	ng/u1#	92
25) 2-Nitrophenol	9.869	139	10674	3.923	ng/u1#	86
26) 2,4-Dimethylphenol	9.916	107	22964	4.248	ng/u1	92
27) Bis(2-Chloroethoxy)met...	10.169	93	28377	4.410	ng/u1	94
29) 2,4-Dichlorophenol	10.393	162	19121	4.123	ng/u1	87
30) Naphthalene	10.793	128	75661	4.807	ng/u1	98
32) 4-Chloroaniline	10.946	127	27484	4.172	ng/u1	99
33) Hexachlorobutadiene	11.016	225	16717	4.662	ng/u1#	87
34) Caprolactam	11.781	113	6418m	4.524	ng/u1	
35) 4-Chloro-3-methylphenol	12.063	107	16809m	3.435	ng/u1	
36) 2-Methylnaphthalene	12.416	142	47621	4.418	ng/u1	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.634	142	41408m	3.785	ng/ul	
39) 1,2,4,5-Tetrachloroben...	12.769	216	30485	5.031	ng/ul#	97
40) Hexachlorocyclopentadiene	12.704	237	9555	3.510	ng/ul	92
41) 2,4,6-Trichlorophenol	13.040	196	13126	3.517	ng/ul	85
42) 2,4,5-Trichlorophenol	13.116	196	15581m	3.955	ng/ul	
43) 1,1'-Biphenyl	13.434	154	64312	4.724	ng/ul	98
44) 2-Chloronaphthalene	13.487	162	53035	4.870	ng/ul	98
45) 2-Nitroaniline	13.740	65	10102	3.355	ng/ul	92
47) Dimethylphthalate	14.069	163	64073	4.510	ng/ul	97
48) 2,6-Dinitrotoluene	14.228	165	8941	3.401	ng/ul	95
50) Acenaphthylene	14.334	152	81013	4.623	ng/ul	97
51) 3-Nitroaniline	14.587	138	9467m	3.570	ng/ul	
52) Acenaphthene	14.675	153	55965	4.801	ng/ul	100
53) 2,4-Dinitrophenol	14.798	184	8241m	5.076	ng/ul	
55) 4-Nitrophenol	14.892	109	9283m	4.118	ng/ul	
56) Dibenzofuran	15.016	168	82395	4.928	ng/ul	99
57) 2,4-Dinitrotoluene	15.022	165	14429	3.555	ng/ul#	79
58) 2,3,4,6-Tetrachlorophenol	15.240	232	13105	3.596	ng/ul#	93
59) Diethylphthalate	15.439	149	59464	4.173	ng/ul	97
61) Fluorene	15.669	166	64919	4.709	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.663	204	34578	4.717	ng/ul	91
63) 4-Nitroaniline	15.763	138	9782m	3.712	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.775	198	8938	3.191	ng/ul#	72
67) N-Nitrosodiphenylamine	15.892	169	50573	4.473	ng/ul	98
68) 4-Bromophenyl-phenylether	16.575	248	19281	4.226	ng/ul	95
69) Hexachlorobenzene	16.651	284	26265	4.837	ng/ul	98
70) Atrazine	16.857	200	13303m	3.041	ng/ul	
71) Pentachlorophenol	17.039	266	11412	3.471	ng/ul	92
72) Phenanthrene	17.445	178	104927	4.714	ng/ul	96
74) Anthracene	17.539	178	106371	4.724	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.387	216	22693	3.801	ng/ul	99
76) Pentachlorobenzene	14.904	250	24954	4.073	ng/ul	93
77) Carbazole	17.833	167	80530	3.950	ng/ul	97
78) Di-n-butylphthalate	18.345	149	82202	3.274	ng/ul	99
80) Fluoranthene	19.427	202	120814	4.228	ng/ul#	96
82) Pyrene	19.786	202	138644	4.644	ng/ul	100
83) Butylbenzylphthalate	20.657	149	33088	2.849	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.474	252	44140	4.148	ng/ul	98
85) Benzo(a)anthracene	21.527	228	139234	4.371	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.404	149	43545	2.480	ng/ul	99
87) Chrysene	21.580	228	144120	4.902	ng/ul	98
89) Di-n-octyl phthalate	22.392	149	83341	2.708	ng/ul	100
90) Benzo(b)fluoranthene	23.316	252	143394	4.467	ng/ul	98
91) Benzo(k)fluoranthene	23.368	252	149871	4.693	ng/ul	98
93) Benzo(a)pyrene	23.992	252	141896	4.747	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.851	276	168915	4.608	ng/ul	99
95) Dibenzo(a,h)anthracene	26.880	278	141038	4.590	ng/ul	99
96) Benzo(g,h,i)perylene	27.704	276	141189	4.843	ng/ul	98

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

