

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101723\
 Data File : BP017695.D
 Acq On : 17 Oct 2023 12:58
 Operator : MA/JU
 Sample : 03573-04
 Misc : SFAM-MDL-SOIL-02
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Oct 18 01:26:27 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
 10/18/2023

Supervised By :mohammad
 ahmed
 10/19/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	84379	20.000	ng/u1	0.00
20) Naphthalene-d8	10.746	136	350281	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.610	164	227507	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.404	188	550646	20.000	ng/u1	0.00
79) Chrysene-d12	21.545	240	621400	20.000	ng/u1	0.00
88) Perylene-d12	24.115	264	709920	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.269	96	12942	5.655	ng/uL	0.00
4) Pyridine-d5	3.705	84	142247	22.484	ng/u1	0.00
7) Phenol-d5	7.063	99	174746	22.245	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.252	67	109966	23.083	ng/u1	0.00
11) 2-Chlorophenol-d4	7.428	132	140342	23.080	ng/u1	0.00
15) 4-Methylphenol-d8	8.634	113	134484	21.433	ng/u1	0.00
21) Nitrobenzene-d5	9.116	128	65490	22.259	ng/u1	0.00
24) 2-Nitrophenol-d4	9.834	143	68830	20.803	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.369	165	128967	20.739	ng/u1	0.01
31) 4-Chloroaniline-d4	10.922	131	187786	21.068	ng/u1	0.01
46) Dimethylphthalate-d6	14.028	166	446883	22.680	ng/u1	0.00
49) Acenaphthylene-d8	14.304	160	477912	22.524	ng/u1	0.00
54) 4-Nitrophenol-d4	14.863	143	65935	20.009	ng/u1	0.01
60) Fluorene-d10	15.616	176	406763	24.269	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.763	200	61028	15.680	ng/u1	0.00
73) Anthracene-d10	17.504	188	656455	23.093	ng/u1	0.00
81) Pyrene-d10	19.763	212	840307	22.468	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.945	264	960566	24.102	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.305	88	2432	1.002	ng/uL	92
5) Pyridine	3.728	79	24210	3.726	ng/u1#	66
6) Benzaldehyde	7.081	77	19992	5.024	ng/u1	95
8) Phenol	7.099	94	33629	4.313	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.352	93	26893	4.299	ng/u1	93
12) 2-Chlorophenol	7.463	128	27286	4.491	ng/u1	99
13) 2-Methylphenol	8.363	108	22834	3.934	ng/u1	91
14) 2,2'-oxybis(1-Chloropr...	8.422	45	36623m	4.537	ng/u1	
16) Acetophenone	8.775	105	43346	4.440	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.734	70	21541	4.359	ng/u1#	91
18) 4-Methylphenol	8.699	108	25896	4.105	ng/u1	99
19) Hexachloroethane	8.969	117	11755	4.331	ng/u1	91
22) Nitrobenzene	9.163	77	35232	4.662	ng/u1	98
23) Isophorone	9.675	82	54274	3.983	ng/u1#	97
25) 2-Nitrophenol	9.869	139	14491	4.117	ng/u1#	85
26) 2,4-Dimethylphenol	9.916	107	30476	4.357	ng/u1	95
27) Bis(2-Chloroethoxy)met...	10.169	93	37155	4.462	ng/u1	98
29) 2,4-Dichlorophenol	10.398	162	26475m	4.412	ng/u1	
30) Naphthalene	10.793	128	95172	4.674	ng/u1	98
32) 4-Chloroaniline	10.945	127	37474	4.397	ng/u1	89
33) Hexachlorobutadiene	11.022	225	21566	4.648	ng/u1	95
34) Caprolactam	11.775	113	10293m	5.608	ng/u1	
35) 4-Chloro-3-methylphenol	12.063	107	21846	3.451	ng/u1	97
36) 2-Methylnaphthalene	12.416	142	62853	4.507	ng/u1	98

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37) 1-Methylnaphthalene	12.640	142	49786	3.517	ng/ul#	99
39) 1,2,4,5-Tetrachloroben...	12.769	216	38962	4.694	ng/ul	93
40) Hexachlorocyclopentadiene	12.710	237	13526	3.627	ng/ul#	92
41) 2,4,6-Trichlorophenol	13.040	196	18917	3.701	ng/ul	94
42) 2,4,5-Trichlorophenol	13.122	196	20979m	3.888	ng/ul	
43) 1,1'-Biphenyl	13.434	154	87766	4.707	ng/ul	98
44) 2-Chloronaphthalene	13.487	162	70584	4.732	ng/ul	99
45) 2-Nitroaniline	13.745	65	15024	3.643	ng/ul	88
47) Dimethylphthalate	14.075	163	90716	4.662	ng/ul	99
48) 2,6-Dinitrotoluene	14.228	165	12236	3.398	ng/ul#	80
50) Acenaphthylene	14.334	152	112624	4.692	ng/ul	99
51) 3-Nitroaniline	14.581	138	13279m	3.656	ng/ul	
52) Acenaphthene	14.675	153	75856	4.751	ng/ul	99
53) 2,4-Dinitrophenol	14.798	184	11665	5.246	ng/ul	93
55) 4-Nitrophenol	14.875	109	14005	4.536	ng/ul#	84
56) Dibenzofuran	15.016	168	113477	4.955	ng/ul	99
57) 2,4-Dinitrotoluene	15.022	165	21395	3.849	ng/ul	85
58) 2,3,4,6-Tetrachlorophenol	15.245	232	19010	3.808	ng/ul#	99
59) Diethylphthalate	15.439	149	85886	4.400	ng/ul	99
61) Fluorene	15.669	166	91296	4.835	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.663	204	48073	4.788	ng/ul	98
63) 4-Nitroaniline	15.757	138	14757m	4.088	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.775	198	14066	3.451	ng/ul#	71
67) N-Nitrosodiphenylamine	15.892	169	70845	4.306	ng/ul	99
68) 4-Bromophenyl-phenylether	16.575	248	29402	4.428	ng/ul	98
69) Hexachlorobenzene	16.657	284	37115	4.697	ng/ul	97
70) Atrazine	16.863	200	18570m	2.916	ng/ul	
71) Pentachlorophenol	17.033	266	18936	3.957	ng/ul	97
72) Phenanthrene	17.445	178	152984	4.722	ng/ul	98
74) Anthracene	17.539	178	152872	4.665	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.387	216	29970	3.449	ng/ul	98
76) Pentachlorobenzene	14.904	250	34475	3.867	ng/ul	97
77) Carbazole	17.839	167	121688	4.101	ng/ul	99
78) Di-n-butylphthalate	18.345	149	125131	3.424	ng/ul	99
80) Fluoranthene	19.433	202	183407	4.291	ng/ul	99
82) Pyrene	19.792	202	210984	4.725	ng/ul	99
83) Butylbenzylphthalate	20.663	149	52855	3.043	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.474	252	67644	4.250	ng/ul	94
85) Benzo(a)anthracene	21.527	228	213166	4.474	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.404	149	71668	2.728	ng/ul	98
87) Chrysene	21.586	228	216692	4.928	ng/ul	100
89) Di-n-octyl phthalate	22.392	149	132274	2.854	ng/ul	100
90) Benzo(b)fluoranthene	23.315	252	222712	4.607	ng/ul	99
91) Benzo(k)fluoranthene	23.368	252	219369	4.561	ng/ul	99
93) Benzo(a)pyrene	23.998	252	210788	4.682	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.851	276	255689	4.632	ng/ul	97
95) Dibenzo(a,h)anthracene	26.886	278	211728	4.576	ng/ul	99
96) Benzo(g,h,i)perylene	27.703	276	205828	4.689	ng/ul	96

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

