

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102023\
 Data File : BP017742.D
 Acq On : 20 Oct 2023 15:33
 Operator : MA/JU
 Sample : 04696-03
 Misc : SFAM-MDL-SOIL-01
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-QT4-2023-07

Quant Time: Oct 20 22:46:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP101823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 19 01:32:15 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/23/2023
 Supervised By :mohammad ahmed 10/23/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.899	152	110860	20.000	ng/u1	0.01
20) Naphthalene-d8	10.728	136	436911	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.598	164	267434	20.000	ng/u1	0.01
64) Phenanthrene-d10	17.392	188	567615	20.000	ng/u1	0.02
79) Chrysene-d12	21.533	240	473510	20.000	ng/u1	0.02
88) Perylene-d12	24.098	264	479762	20.000	ng/u1	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.264	96	18418	6.181	ng/uL	0.00
4) Pyridine-d5	3.699	84	210215	26.943	ng/u1	0.00
7) Phenol-d5	7.058	99	225717	24.467	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.240	67	154323	27.087	ng/u1	0.00
11) 2-Chlorophenol-d4	7.416	132	184453	24.515	ng/u1	0.00
15) 4-Methylphenol-d8	8.622	113	167810	23.164	ng/u1	0.01
21) Nitrobenzene-d5	9.104	128	82889	23.413	ng/u1	0.00
24) 2-Nitrophenol-d4	9.822	143	88981	22.747	ng/u1	0.01
28) 2,4-Dichlorophenol-d3	10.351	165	163249	21.275	ng/u1	0.01
31) 4-Chloroaniline-d4	10.910	131	207394	20.653	ng/u1	0.02
46) Dimethylphthalate-d6	14.016	166	517849	23.067	ng/u1	0.01
49) Acenaphthylene-d8	14.298	160	583237	23.295	ng/u1	0.02
54) 4-Nitrophenol-d4	14.845	143	50127	15.670	ng/u1	0.02
60) Fluorene-d10	15.604	176	454413	23.415	ng/u1	0.01
65) 4,6-Dinitro-2-methylph...	15.751	200	64492	17.249	ng/u1	0.02
73) Anthracene-d10	17.492	188	659337	22.731	ng/u1	0.02
81) Pyrene-d10	19.751	212	783313	26.386	ng/u1	0.02
92) Benzo(a)pyrene-d12	23.927	264	666943	24.959	ng/u1	0.03
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.299	88	3567	1.128	ng/uL#	90
5) Pyridine	3.722	79	32438	4.058	ng/u1#	67
6) Benzaldehyde	7.063	77	26952	5.431	ng/u1	92
8) Phenol	7.087	94	45849	5.041	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.340	93	37911	4.996	ng/u1	94
12) 2-Chlorophenol	7.452	128	34603	4.579	ng/u1	96
13) 2-Methylphenol	8.352	108	29761	4.335	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.416	45	49563m	5.306	ng/u1	
16) Acetophenone	8.757	105	54738	4.806	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.722	70	27915	5.167	ng/u1	91
18) 4-Methylphenol	8.687	108	32823	4.502	ng/u1	95
19) Hexachloroethane	8.957	117	15475	4.457	ng/u1#	79
22) Nitrobenzene	9.146	77	45064	5.112	ng/u1	92
23) Isophorone	9.663	82	74303	4.714	ng/u1	99
25) 2-Nitrophenol	9.857	139	18641	4.464	ng/u1#	85
26) 2,4-Dimethylphenol	9.899	107	30344	3.703	ng/u1	91
27) Bis(2-Chloroethoxy)met...	10.151	93	48889	5.014	ng/u1	98
29) 2,4-Dichlorophenol	10.381	162	32403	4.416	ng/u1	96
30) Naphthalene	10.787	128	118899	4.729	ng/u1	100
32) 4-Chloroaniline	10.934	127	41575	4.324	ng/u1	97
33) Hexachlorobutadiene	11.004	225	23397	3.927	ng/u1	98
34) Caprolactam	11.781	113	11847	6.270	ng/u1	94
35) 4-Chloro-3-methylphenol	12.051	107	29613	4.287	ng/u1	89
36) 2-Methylnaphthalene	12.404	142	74921	4.411	ng/u1	94

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37) 1-Methylnaphthalene	12.622	142	61308	3.530	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.757	216	41257	4.169	ng/ul	97
40) Hexachlorocyclopentadiene	12.698	237	32758	5.762	ng/ul#	97
41) 2,4,6-Trichlorophenol	13.022	196	23215	3.909	ng/ul	96
42) 2,4,5-Trichlorophenol	13.104	196	24375	3.970	ng/ul	95
43) 1,1'-Biphenyl	13.422	154	103514	4.698	ng/ul	99
44) 2-Chloronaphthalene	13.475	162	82338	4.623	ng/ul	97
45) 2-Nitroaniline	13.728	65	16158	3.992	ng/ul	89
47) Dimethylphthalate	14.063	163	103956	4.698	ng/ul	98
48) 2,6-Dinitrotoluene	14.216	165	15412m	3.784	ng/ul	
50) Acenaphthylene	14.322	152	132721	4.732	ng/ul	99
51) 3-Nitroaniline	14.569	138	12799m	3.304	ng/ul	
52) Acenaphthene	14.663	153	89303	4.710	ng/ul	97
53) 2,4-Dinitrophenol	14.775	184	12190	5.332	ng/ul#	76
55) 4-Nitrophenol	14.863	109	13249m	3.913	ng/ul	
56) Dibenzofuran	15.004	168	128359	4.822	ng/ul	97
57) 2,4-Dinitrotoluene	15.010	165	23480	3.906	ng/ul#	87
58) 2,3,4,6-Tetrachlorophenol	15.228	232	21034	3.860	ng/ul#	85
59) Diethylphthalate	15.428	149	98612	4.616	ng/ul	98
61) Fluorene	15.657	166	104860	4.796	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.651	204	51975	4.472	ng/ul	94
63) 4-Nitroaniline	15.751	138	13618m	3.898	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.763	198	14801	3.696	ng/ul#	67
67) N-Nitrosodiphenylamine	15.886	169	81529	4.741	ng/ul	98
68) 4-Bromophenyl-phenylether	16.563	248	26833	4.040	ng/ul#	87
69) Hexachlorobenzene	16.645	284	30429	3.991	ng/ul	92
70) Atrazine	16.851	200	19689	3.115	ng/ul	93
71) Pentachlorophenol	17.022	266	25347	5.530	ng/ul	94
72) Phenanthrene	17.433	178	160062	4.814	ng/ul	98
74) Anthracene	17.528	178	154023	4.573	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.375	216	31493	3.307	ng/uL	98
76) Pentachlorobenzene	14.892	250	33000	3.575	ng/uL	98
77) Carbazole	17.828	167	118356	4.158	ng/ul	99
78) Di-n-butylphthalate	18.333	149	144176	4.363	ng/ul	99
80) Fluoranthene	19.422	202	175504	5.145	ng/ul	97
82) Pyrene	19.780	202	192969	5.340	ng/ul#	95
83) Butylbenzylphthalate	20.651	149	55893	4.497	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.469	252	38023	3.554	ng/ul#	96
85) Benzo(a)anthracene	21.516	228	166713	4.631	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.398	149	73598	4.242	ng/ul#	99
87) Chrysene	21.574	228	166448	4.890	ng/ul	100
89) Di-n-octyl phthalate	22.380	149	130781	4.304	ng/ul	100
90) Benzo(b)fluoranthene	23.298	252	157723	4.830	ng/ul	98
91) Benzo(k)fluoranthene	23.357	252	162032m	4.896	ng/ul	
93) Benzo(a)pyrene	23.980	252	147587	4.815	ng/ul#	98
94) Indeno(1,2,3-cd)pyrene	26.827	276	171033	4.682	ng/ul#	93
95) Dibenzo(a,h)anthracene	26.856	278	141641	4.647	ng/ul#	94
96) Benzo(g,h,i)perylene	27.674	276	138418	4.703	ng/ul#	95

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

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