

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010323\
 Data File : BP013380.D
 Acq On : 03 Jan 2023 16:23
 Operator : CG/JU
 Sample : N5388-05
 Misc : SFAM-MDL-MES-01-4PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-MED-SOIL-QT4-2022-07

Quant Time: Jan 04 01:09:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP120722.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 28 00:16:35 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/05/2023
 Supervised By :Yogesh Patel 01/05/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.928	152	496362	20.000	ng/u1	0.00
20) Naphthalene-d8	10.740	136	2231012	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.569	164	1632553	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.328	188	3803123	20.000	ng/u1	0.00
79) Chrysene-d12	21.416	240	3627983	20.000	ng/u1	0.00
88) Perylene-d12	23.880	264	3167007	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.323	96	50490	4.349	ng/uL	0.00
4) Pyridine-d5	3.752	84	339658	10.300	ng/u1	0.00
7) Phenol-d5	7.087	99	810870	20.056	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.252	67	547977	22.468	ng/u1	0.00
11) 2-Chlorophenol-d4	7.458	132	643044	20.204	ng/u1	0.00
15) 4-Methylphenol-d8	8.634	113	671883	20.282	ng/u1	-0.01
21) Nitrobenzene-d5	9.093	128	327875m	20.002	ng/u1	0.00
24) 2-Nitrophenol-d4	9.816	143	365343	19.797	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.357	165	705704	19.688	ng/u1	0.00
31) 4-Chloroaniline-d4	10.875	131	1016344	20.085	ng/u1	-0.01
46) Dimethylphthalate-d6	13.975	166	2520985	20.092	ng/u1	0.00
49) Acenaphthylene-d8	14.263	160	2726503	19.776	ng/u1	0.00
54) 4-Nitrophenol-d4	14.769	143	403481	17.877	ng/u1	-0.01
60) Fluorene-d10	15.563	176	2185868	20.593	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.687	200	419998	17.161	ng/u1	0.00
73) Anthracene-d10	17.428	188	3548481	20.682	ng/u1	0.00
81) Pyrene-d10	19.663	212	4209382	20.214	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.721	264	3255341	20.622	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.358	88	19374	1.599	ng/uL#	84
5) Pyridine	3.775	79	136412	4.162	ng/u1#	76
6) Benzaldehyde	7.064	77	85524m	5.402	ng/u1	
8) Phenol	7.116	94	190076	4.650	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.346	93	162246	4.836	ng/u1	93
12) 2-Chlorophenol	7.487	128	149783	4.589	ng/u1	94
13) 2-Methylphenol	8.369	108	132842	4.168	ng/u1	94
14) 2,2'-oxybis(1-Chloropr...	8.458	45	259228	5.631	ng/u1	96
16) Acetophenone	8.758	105	252130	4.964	ng/u1#	89
17) N-Nitroso-di-n-propyla...	8.734	70	128967	5.049	ng/u1	89
18) 4-Methylphenol	8.699	108	159850	4.528	ng/u1	94
19) Hexachloroethane	9.010	117	59999	4.600	ng/u1	96
22) Nitrobenzene	9.134	77	191247	4.972	ng/u1	93
23) Isophorone	9.663	82	344846	4.434	ng/u1	98
25) 2-Nitrophenol	9.852	139	88002	4.401	ng/u1	92
26) 2,4-Dimethylphenol	9.905	107	176794	4.532	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.146	93	236204	4.750	ng/u1	99
29) 2,4-Dichlorophenol	10.381	162	160326	4.566	ng/u1	95
30) Naphthalene	10.787	128	543895	4.661	ng/u1	99
32) 4-Chloroaniline	10.905	127	231683	4.627	ng/u1	99
33) Hexachlorobutadiene	11.069	225	114733	4.759	ng/u1	97
34) Caprolactam	11.704	113	74143	6.193	ng/u1	97
35) 4-Chloro-3-methylphenol	12.022	107	155705	4.345	ng/u1	100
36) 2-Methylnaphthalene	12.393	142	371838	4.645	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.616	142	339525	4.125	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.763	216	234760	4.466	ng/ul	98
40) Hexachlorocyclopentadiene	12.740	237	139684	4.083	ng/ul	98
41) 2,4,6-Trichlorophenol	13.004	196	132047	3.909	ng/ul	96
42) 2,4,5-Trichlorophenol	13.075	196	146116	4.026	ng/ul	98
43) 1,1'-Biphenyl	13.404	154	551058	4.494	ng/ul	99
44) 2-Chloronaphthalene	13.446	162	424805	4.402	ng/ul	99
45) 2-Nitroaniline	13.657	65	94429	4.036	ng/ul	91
47) Dimethylphthalate	14.022	163	558660	4.492	ng/ul	100
48) 2,6-Dinitrotoluene	14.146	165	83504	3.613	ng/ul	87
50) Acenaphthylene	14.293	152	661153	4.461	ng/ul	99
51) 3-Nitroaniline	14.481	138	75278	3.450	ng/ul	86
52) Acenaphthene	14.634	153	465816	4.535	ng/ul	98
53) 2,4-Dinitrophenol	14.687	184	60457	3.827	ng/ul	94
55) 4-Nitrophenol	14.787	109	69296	4.500	ng/ul	90
56) Dibenzofuran	14.969	168	680995	4.663	ng/ul	99
57) 2,4-Dinitrotoluene	14.934	165	131925	3.930	ng/ul#	87
58) 2,3,4,6-Tetrachlorophenol	15.198	232	136094	4.109	ng/ul	96
59) Diethylphthalate	15.387	149	511424	4.231	ng/ul	100
61) Fluorene	15.622	166	553656	4.727	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.610	204	298465	4.819	ng/ul	99
63) 4-Nitroaniline	15.645	138	75219m	3.917	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.698	198	144128	6.026	ng/ul#	84
67) N-Nitrosodiphenylamine	15.828	169	456964	4.334	ng/ul	99
68) 4-Bromophenyl-phenylether	16.510	248	176256	4.268	ng/ul	97
69) Hexachlorobenzene	16.628	284	216080	4.406	ng/ul	99
70) Atrazine	16.781	200	136064	3.312	ng/ul	99
71) Pentachlorophenol	16.975	266	150146	5.056	ng/ul	96
72) Phenanthrene	17.369	178	899042	4.539	ng/ul	99
74) Anthracene	17.463	178	896298	4.532	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.369	216	206414	3.804	ng/uL	98
76) Pentachlorobenzene	14.887	250	215022	3.887	ng/uL	98
77) Carbazole	17.734	167	732574	4.398	ng/ul	99
78) Di-n-butylphthalate	18.275	149	759041	3.743	ng/ul	98
80) Fluoranthene	19.333	202	1037320	4.389	ng/ul	99
82) Pyrene	19.686	202	1142604	4.686	ng/ul	100
83) Butylbenzylphthalate	20.551	149	314390	3.338	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.327	252	291038	3.551	ng/ul	99
85) Benzo(a)anthracene	21.398	228	1044413	4.336	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.310	149	445871	3.356	ng/ul	100
87) Chrysene	21.451	228	1007396	4.423	ng/ul	99
89) Di-n-octyl phthalate	22.251	149	673842	3.798	ng/ul	100
90) Benzo(b)fluoranthene	23.122	252	959303	4.750	ng/ul	99
91) Benzo(k)fluoranthene	23.174	252	872030	4.355	ng/ul	100
93) Benzo(a)pyrene	23.769	252	766683	4.360	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	26.451	276	834814	3.811	ng/ul	99
95) Dibenzo(a,h)anthracene	26.468	278	699055	3.855	ng/ul	99
96) Benzo(g,h,i)perylene	27.239	276	662283	3.766	ng/ul	99

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

