

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010623\
 Data File : BP013408.D
 Acq On : 06 Jan 2023 14:22
 Operator : CG/JU
 Sample : N4239-05
 Misc : SFAM-MDL-MES-01
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-MED-SOIL-QT3-2022-05

Quant Time: Jan 06 14:50:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP010523.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jan 06 01:03:32 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/09/2023
 Supervised By :mohammad ahmed 01/09/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	539614	20.000	ng/u1	0.00
20) Naphthalene-d8	10.734	136	2194560	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.569	164	1404535	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.328	188	3086412	20.000	ng/u1	0.00
79) Chrysene-d12	21.416	240	3059475	20.000	ng/u1	0.00
88) Perylene-d12	23.880	264	3262441	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.311	96	60421	4.352	ng/uL	0.00
4) Pyridine-d5	3.740	84	516929	13.350	ng/u1	0.00
7) Phenol-d5	7.081	99	774224	17.291	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.252	67	537171	19.016	ng/u1	0.00
11) 2-Chlorophenol-d4	7.452	132	630194	18.873	ng/u1	0.00
15) 4-Methylphenol-d8	8.634	113	605226	17.741	ng/u1	0.00
21) Nitrobenzene-d5	9.093	128	291898	18.681	ng/u1	0.00
24) 2-Nitrophenol-d4	9.816	143	323213	18.896	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.358	165	621008	18.217	ng/u1	0.00
31) 4-Chloroaniline-d4	10.875	131	828603	17.254	ng/u1	0.00
46) Dimethylphthalate-d6	13.975	166	1936132	18.920	ng/u1	0.00
49) Acenaphthylene-d8	14.263	160	2090984	18.460	ng/u1	0.00
54) 4-Nitrophenol-d4	14.769	143	286489	15.295	ng/u1	0.00
60) Fluorene-d10	15.563	176	1672064	18.499	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.687	200	304125	15.540	ng/u1	0.00
73) Anthracene-d10	17.428	188	2557865	18.750	ng/u1	0.00
81) Pyrene-d10	19.663	212	3112277	18.697	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.722	264	3041109	18.977	ng/u1	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.346	88	18729	1.225	ng/uL	97
5) Pyridine	3.764	79	132138	3.375	ng/u1#	82
6) Benzaldehyde	7.064	77	95746	5.606	ng/u1	96
8) Phenol	7.111	94	180205	3.890	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.340	93	157438	4.298	ng/u1	99
12) 2-Chlorophenol	7.481	128	146176	4.202	ng/u1	98
13) 2-Methylphenol	8.369	108	119324	3.587	ng/u1	92
14) 2,2'-oxybis(1-Chloropr...	8.458	45	249452	4.413	ng/u1#	98
16) Acetophenone	8.752	105	220276	4.091	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.734	70	109850	4.268	ng/u1	98
18) 4-Methylphenol	8.699	108	143997	3.938	ng/u1	99
19) Hexachloroethane	9.005	117	58013	4.139	ng/u1	97
22) Nitrobenzene	9.134	77	171357	4.201	ng/u1	97
23) Isophorone	9.663	82	276626	3.875	ng/u1	99
25) 2-Nitrophenol	9.846	139	78342	4.213	ng/u1	95
26) 2,4-Dimethylphenol	9.905	107	144478	3.724	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.146	93	205502	4.357	ng/u1	99
29) 2,4-Dichlorophenol	10.381	162	140938	4.132	ng/u1	97
30) Naphthalene	10.787	128	485650	4.160	ng/u1	100
32) 4-Chloroaniline	10.899	127	186168	3.856	ng/u1	99
33) Hexachlorobutadiene	11.063	225	110502	4.512	ng/u1	98
34) Caprolactam	11.710	113	35185m	3.468	ng/u1	
35) 4-Chloro-3-methylphenol	12.022	107	117895	3.582	ng/u1	97
36) 2-Methylnaphthalene	12.393	142	311194	4.168	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.610	142	284387	3.672	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.763	216	199655	4.146	ng/ul	99
40) Hexachlorocyclopentadiene	12.734	237	125515	4.333	ng/ul	98
41) 2,4,6-Trichlorophenol	13.004	196	103943	3.670	ng/ul	100
42) 2,4,5-Trichlorophenol	13.075	196	113244	3.674	ng/ul	98
43) 1,1'-Biphenyl	13.404	154	438850	4.116	ng/ul	98
44) 2-Chloronaphthalene	13.446	162	344603	4.005	ng/ul	98
45) 2-Nitroaniline	13.651	65	65821m	3.161	ng/ul	
47) Dimethylphthalate	14.022	163	423390	4.141	ng/ul	99
48) 2,6-Dinitrotoluene	14.146	165	58479	3.303	ng/ul	88
50) Acenaphthylene	14.293	152	508156	4.071	ng/ul	99
51) 3-Nitroaniline	14.481	138	55180m	2.943	ng/ul	
52) Acenaphthene	14.634	153	358485	4.012	ng/ul	98
53) 2,4-Dinitrophenol	14.687	184	53587	4.066	ng/ul	95
55) 4-Nitrophenol	14.781	109	49741	3.494	ng/ul	92
56) Dibenzofuran	14.969	168	519768	4.051	ng/ul	100
57) 2,4-Dinitrotoluene	14.940	165	89739	3.410	ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	15.198	232	101565	3.777	ng/ul#	96
59) Diethylphthalate	15.387	149	384921	4.023	ng/ul	99
61) Fluorene	15.616	166	414939	4.051	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.610	204	227117	4.246	ng/ul	99
63) 4-Nitroaniline	15.645	138	56182m	3.240	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.698	198	85870	4.445	ng/ul#	87
67) N-Nitrosodiphenylamine	15.828	169	335004	4.013	ng/ul	99
68) 4-Bromophenyl-phenylether	16.510	248	132857	4.156	ng/ul	98
69) Hexachlorobenzene	16.628	284	160472	4.163	ng/ul	100
70) Atrazine	16.781	200	129056	4.044	ng/ul	95
71) Pentachlorophenol	16.975	266	84720	3.692	ng/ul	97
72) Phenanthrene	17.369	178	665849	4.058	ng/ul	98
74) Anthracene	17.463	178	639485	3.945	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.369	216	177795	3.815	ng/uL	99
76) Pentachlorobenzene	14.887	250	169023	3.725	ng/uL	99
77) Carbazole	17.734	167	511895	3.646	ng/ul	98
78) Di-n-butylphthalate	18.275	149	547206	3.974	ng/ul	100
80) Fluoranthene	19.334	202	739526	3.882	ng/ul	100
82) Pyrene	19.686	202	826471	4.094	ng/ul	97
83) Butylbenzylphthalate	20.557	149	221208	3.611	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.333	252	192366	3.412	ng/ul	99
85) Benzo(a)anthracene	21.398	228	804765	3.972	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.310	149	341488	4.002	ng/ul	99
87) Chrysene	21.451	228	792419	4.013	ng/ul	99
89) Di-n-octyl phthalate	22.257	149	529083	3.784	ng/ul	100
90) Benzo(b)fluoranthene	23.122	252	847125	4.106	ng/ul	99
91) Benzo(k)fluoranthene	23.174	252	803669	4.082	ng/ul	99
93) Benzo(a)pyrene	23.769	252	758418	4.187	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.451	276	975120	3.885	ng/ul	98
95) Dibenzo(a,h)anthracene	26.468	278	814412	3.890	ng/ul	99
96) Benzo(g,h,i)perylene	27.245	276	779564	3.776	ng/ul	98

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

