

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP030422\
 Data File : BP009266.D
 Acq On : 04 Mar 2022 13:14
 Operator : CG/JU
 Sample : N1331-06
 Misc : SFAM-MDL-MESOIL02
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-MED-SOIL-QT1-2022-02

Quant Time: Mar 04 14:11:03 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP030222.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 02 18:15:01 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/04/2022
 Supervised By :mohammad ahmed 03/07/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.822	152	385097	20.000	ng/ul	# 0.00
20) Naphthalene-d8	10.616	136	1510577	20.000	ng/ul	#-0.01
38) Acenaphthene-d10	14.463	164	916935	20.000	ng/ul	-0.01
64) Phenanthrene-d10	17.222	188	1824557	20.000	ng/ul	#-0.01
79) Chrysene-d12	21.321	240	1864002	20.000	ng/ul	#-0.02
88) Perylene-d12	23.733	264	1946217	20.000	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.317	96	50912	5.314	ng/uL	0.00
4) Pyridine-d5	3.722	84	581873	24.339	ng/ul	0.00
7) Phenol-d5	6.987	99	757450	24.280	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.158	67	460466m	24.595	ng/ul	0.00
11) 2-Chlorophenol-d4	7.357	132	604694	24.793	ng/ul	0.00
15) 4-Methylphenol-d8	8.522	113	572769	24.019	ng/ul	-0.01
21) Nitrobenzene-d5	8.975	128	245198	27.833	ng/ul	0.00
24) 2-Nitrophenol-d4	9.699	143	246477	29.519	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.234	165	551479	24.788	ng/ul	-0.01
31) 4-Chloroaniline-d4	10.746	131	808563	25.702	ng/ul	-0.01
46) Dimethylphthalate-d6	13.875	166	1624641	25.282	ng/ul	-0.01
49) Acenaphthylene-d8	14.151	160	2061633	24.281	ng/ul	-0.01
54) 4-Nitrophenol-d4	14.645	143	235467	23.138	ng/ul	-0.01
60) Fluorene-d10	15.457	176	1429561	25.567	ng/ul	-0.01
65) 4,6-Dinitro-2-methylph...	15.569	200	159597	21.550	ng/ul	-0.01
73) Anthracene-d10	17.322	188	2127704	24.813	ng/ul	-0.01
81) Pyrene-d10	19.563	212	2471144	24.118	ng/ul	-0.01
92) Benzo(a)pyrene-d12	23.574	264	2452777	24.917	ng/ul	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.358	88	11288	1.178	ng/uL#	75
5) Pyridine	3.740	79	107532	4.239	ng/ul#	35
6) Benzaldehyde	6.963	77	87295m	4.756	ng/ul	
8) Phenol	7.010	94	138688	4.416	ng/ul	92
10) Bis(2-Chloroethyl)ether	7.246	93	107710	4.297	ng/ul#	84
12) 2-Chlorophenol	7.387	128	107685	4.363	ng/ul	94
13) 2-Methylphenol	8.263	108	93904	4.008	ng/ul	96
14) 2,2'-oxybis(1-Chloropr...	8.357	45	136400	4.525	ng/ul#	90
16) Acetophenone	8.640	105	159552	4.380	ng/ul#	86
17) N-Nitroso-di-n-propyla...	8.628	70	75560	4.163	ng/ul#	81
18) 4-Methylphenol	8.587	108	104959	4.262	ng/ul	96
19) Hexachloroethane	8.904	117	43520	4.318	ng/ul#	82
22) Nitrobenzene	9.016	77	113265	4.937	ng/ul#	85
23) Isophorone	9.546	82	202054	3.984	ng/ul#	95
25) 2-Nitrophenol	9.728	139	49329	5.049	ng/ul#	77
26) 2,4-Dimethylphenol	9.793	107	111786m	4.239	ng/ul	
27) Bis(2-Chloroethoxy)met...	10.034	93	136866	4.413	ng/ul#	97
29) 2,4-Dichlorophenol	10.263	162	99392	4.537	ng/ul#	80
30) Naphthalene	10.669	128	354485	4.619	ng/ul	96
32) 4-Chloroaniline	10.769	127	142207	4.568	ng/ul	100
33) Hexachlorobutadiene	10.969	225	69865	4.401	ng/ul	98
34) Caprolactam	11.540	113	27730m	4.387	ng/ul	
35) 4-Chloro-3-methylphenol	11.898	107	88212	3.978	ng/ul#	62
36) 2-Methylnaphthalene	12.281	142	231128	4.494	ng/ul	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.498	142	214436	4.170	ng/ul#	93
39) 1,2,4,5-Tetrachloroben...	12.651	216	129654	4.446	ng/ul	95
40) Hexachlorocyclopentadiene	12.640	237	92304	5.040	ng/ul	96
41) 2,4,6-Trichlorophenol	12.887	196	63337	3.751	ng/ul#	83
42) 2,4,5-Trichlorophenol	12.951	196	74094m	4.147	ng/ul	
43) 1,1'-Biphenyl	13.292	154	314492	4.494	ng/ul#	93
44) 2-Chloronaphthalene	13.334	162	240156	4.512	ng/ul	92
45) 2-Nitroaniline	13.528	65	37256	3.982	ng/ul#	87
47) Dimethylphthalate	13.916	163	284077	4.568	ng/ul#	93
48) 2,6-Dinitrotoluene	14.028	165	33016	3.885	ng/ul	97
50) Acenaphthylene	14.181	152	384160	4.563	ng/ul	95
51) 3-Nitroaniline	14.357	138	37087	3.456	ng/ul	81
52) Acenaphthene	14.522	153	247780	4.529	ng/ul	97
53) 2,4-Dinitrophenol	14.557	184	27761	5.343	ng/ul#	86
55) 4-Nitrophenol	14.657	109	34090	4.239	ng/ul#	31
56) Dibenzofuran	14.863	168	361033	4.665	ng/ul	97
57) 2,4-Dinitrotoluene	14.816	165	53297	4.364	ng/ul#	93
58) 2,3,4,6-Tetrachlorophenol	15.086	232	55078	3.943	ng/ul#	86
59) Diethylphthalate	15.292	149	264046	4.387	ng/ul#	92
61) Fluorene	15.510	166	283994	4.681	ng/ul	91
62) 4-Chlorophenyl-phenyle...	15.510	204	147472	4.791	ng/ul	98
63) 4-Nitroaniline	15.516	138	38909	3.741	ng/ul#	73
66) 4,6-Dinitro-2-methylph...	15.581	198	31843	4.090	ng/ul#	77
67) N-Nitrosodiphenylamine	15.722	169	231840	4.342	ng/ul	94
68) 4-Bromophenyl-phenylether	16.410	248	83301	4.377	ng/ul	90
69) Hexachlorobenzene	16.528	284	97614	4.467	ng/ul#	88
70) Atrazine	16.681	200	81815	4.298	ng/ul#	89
71) Pentachlorophenol	16.869	266	57435	4.452	ng/ul#	85
72) Phenanthrene	17.263	178	445833	4.583	ng/ul	98
74) Anthracene	17.351	178	439540	4.526	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.257	216	118974	3.869	ng/uL#	87
76) Pentachlorobenzene	14.787	250	118859	4.340	ng/uL	92
77) Carbazole	17.622	167	368002	4.258	ng/ul#	95
78) Di-n-butylphthalate	18.192	149	376939	3.934	ng/ul#	93
80) Fluoranthene	19.239	202	494310	4.187	ng/ul	99
82) Pyrene	19.592	202	539478	4.470	ng/ul	98
83) Butylbenzylphthalate	20.480	149	142231m	3.650	ng/ul	
84) 3,3'-Dichlorobenzidine	21.245	252	125392m	3.192	ng/ul	
85) Benzo(a)anthracene	21.310	228	513814	4.361	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.257	149	240147	3.877	ng/ul#	79
87) Chrysene	21.363	228	516941	4.527	ng/ul	99
89) Di-n-octyl phthalate	22.186	149	360141	3.418	ng/ul	100
90) Benzo(b)fluoranthene	22.998	252	525529	4.284	ng/ul	99
91) Benzo(k)fluoranthene	23.045	252	501874	4.514	ng/ul#	96
93) Benzo(a)pyrene	23.621	252	522022	4.441	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	26.227	276	587215	4.219	ng/ul#	92
95) Dibenzo(a,h)anthracene	26.251	278	513778	4.373	ng/ul#	93
96) Benzo(g,h,i)perylene	26.992	276	499041	4.187	ng/ul#	87

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

