

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081922\
 Data File : BM036358.D
 Acq On : 19 Aug 2022 16:48
 Operator : CG/JU
 Sample : N3670-06
 Misc : MDL-ME SOIL-4ppm
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MED-SOIL-QT2-2022-04

Quant Time: Aug 22 11:09:43 2022
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 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 16 15:00:33 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/22/2022
 Supervised By :Sohil Jodhani 08/24/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.793	152	329514	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.592	136	1422698	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.439	164	782153	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.180	188	1380776	20.000	ng/u1	-0.01
79) Chrysene-d12	21.368	240	1205395	20.000	ng/u1	0.00
88) Perylene-d12	23.697	264	1220726	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.205	96	34820	4.027	ng/uL	0.00
4) Pyridine-d5	3.628	84	459201	19.259	ng/u1	-0.01
7) Phenol-d5	6.969	99	641838	22.820	ng/u1	-0.02
9) Bis-(2-Chloroethyl)eth...	7.128	67	413743	23.369	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.322	132	530461	24.003	ng/u1	-0.01
15) 4-Methylphenol-d8	8.516	113	503164	23.959	ng/u1	-0.01
21) Nitrobenzene-d5	8.963	128	264911	24.559	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.681	143	275982	25.224	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.222	165	466285	23.851	ng/u1	-0.01
31) 4-Chloroaniline-d4	10.745	131	699658	23.085	ng/u1	-0.01
46) Dimethylphthalate-d6	13.857	166	1271472	25.695	ng/u1	-0.01
49) Acenaphthylene-d8	14.133	160	1672041	27.092	ng/u1	0.00
54) 4-Nitrophenol-d4	14.669	143	179197	19.112	ng/u1	-0.01
60) Fluorene-d10	15.433	176	1065273	23.824	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.563	200	140959	19.857	ng/u1	0.00
73) Anthracene-d10	17.280	188	1480348	24.111	ng/u1	0.00
81) Pyrene-d10	19.574	212	1567342	25.066	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.550	264	1446473	24.168	ng/u1	0.00
Target Compounds						
					Qvalue	
5) Pyridine	3.652	79	101560	4.123	ng/u1#	86
6) Benzaldehyde	6.940	77	73031m	6.321	ng/u1	
8) Phenol	6.998	94	122107	4.176	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.222	93	98706	4.220	ng/u1	99
12) 2-Chlorophenol	7.357	128	98780	4.274	ng/u1	98
13) 2-Methylphenol	8.251	108	88038	4.084	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.334	45	139994m	4.474	ng/u1	
16) Acetophenone	8.628	105	143560	4.250	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.610	70	75479	4.490	ng/u1	95
18) 4-Methylphenol	8.581	108	96327	4.175	ng/u1	98
19) Hexachloroethane	8.863	117	41016	4.242	ng/u1	87
22) Nitrobenzene	9.004	77	110787	4.335	ng/u1	96
23) Isophorone	9.534	82	196402	4.327	ng/u1	97
25) 2-Nitrophenol	9.716	139	53331	4.375	ng/u1	95
26) 2,4-Dimethylphenol	9.781	107	104430	4.284	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.016	93	129010	4.366	ng/u1	99
29) 2,4-Dichlorophenol	10.251	162	86284	4.314	ng/u1	94
30) Naphthalene	10.639	128	321127	4.301	ng/u1	99
32) 4-Chloroaniline	10.769	127	128960	4.183	ng/u1	98
33) Hexachlorobutadiene	10.916	225	54302	4.321	ng/u1	96
34) Caprolactam	11.586	113	25028	4.176	ng/u1	91
35) 4-Chloro-3-methylphenol	11.904	107	80262	3.969	ng/u1	97
36) 2-Methylnaphthalene	12.257	142	198287	4.232	ng/u1	99
37) 1-Methylnaphthalene	12.480	142	210578	4.463	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 1,2,4,5-Tetrachloroben...	12.627	216	96775	4.476	ng/ul	98
40) Hexachlorocyclopentadiene	12.598	237	43885	3.422	ng/ul	96
41) 2,4,6-Trichlorophenol	12.880	196	55149	4.054	ng/ul	94
42) 2,4,5-Trichlorophenol	12.957	196	58181	4.032	ng/ul	95
43) 1,1'-Biphenyl	13.275	154	258502	4.394	ng/ul	98
44) 2-Chloronaphthalene	13.316	162	195799	4.338	ng/ul	98
45) 2-Nitroaniline	13.539	65	45270	3.704	ng/ul	94
47) Dimethylphthalate	13.904	163	228947	4.495	ng/ul	100
48) 2,6-Dinitrotoluene	14.033	165	37306	3.882	ng/ul#	84
50) Acenaphthylene	14.163	152	322156	4.426	ng/ul	99
51) 3-Nitroaniline	14.369	138	37752	3.592	ng/ul	97
52) Acenaphthene	14.504	153	207910	4.383	ng/ul	97
53) 2,4-Dinitrophenol	14.580	184	21078	4.025	ng/ul	91
55) 4-Nitrophenol	14.680	109	28496	3.847	ng/ul	93
56) Dibenzofuran	14.839	168	282282	4.289	ng/ul	98
57) 2,4-Dinitrotoluene	14.821	165	53030	3.891	ng/ul	87
58) 2,3,4,6-Tetrachlorophenol	15.069	232	43528	3.973	ng/ul#	87
59) Diethylphthalate	15.263	149	218150	4.345	ng/ul	98
61) Fluorene	15.486	166	223129	4.274	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.480	204	107466	4.407	ng/ul	98
63) 4-Nitroaniline	15.527	138	38316m	3.908	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.580	198	30101	4.194	ng/ul#	81
67) N-Nitrosodiphenylamine	15.698	169	177456	4.495	ng/ul	98
68) 4-Bromophenyl-phenylether	16.374	248	58034	4.539	ng/ul	96
69) Hexachlorobenzene	16.480	284	69357	4.476	ng/ul	94
70) Atrazine	16.657	200	62119	4.606	ng/ul	98
71) Pentachlorophenol	16.845	266	37289	4.365	ng/ul	96
72) Phenanthrene	17.221	178	321908	4.435	ng/ul	100
74) Anthracene	17.315	178	319907	4.396	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.233	216	97435	4.703	ng/uL	97
76) Pentachlorobenzene	14.751	250	99545	5.146	ng/uL	99
77) Carbazole	17.598	167	270830	3.975	ng/ul	99
78) Di-n-butylphthalate	18.157	149	315061	4.228	ng/ul	99
80) Fluoranthene	19.245	202	332955	4.406	ng/ul	98
82) Pyrene	19.604	202	351072	4.452	ng/ul	100
83) Butylbenzylphthalate	20.509	149	127684	4.328	ng/ul	93
84) 3,3'-Dichlorobenzidine	21.292	252	129330	5.210	ng/ul	98
85) Benzo(a)anthracene	21.350	228	318472	4.397	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.286	149	181676	4.460	ng/ul	98
87) Chrysene	21.403	228	311393	4.375	ng/ul	99
89) Di-n-octyl phthalate	22.186	149	316627	4.363	ng/ul	100
90) Benzo(b)fluoranthene	22.986	252	320388	4.305	ng/ul	100
91) Benzo(k)fluoranthene	23.033	252	304668	4.303	ng/ul	100
93) Benzo(a)pyrene	23.591	252	322682	4.407	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.109	276	360274	4.185	ng/ul	95
95) Dibenzo(a,h)anthracene	26.127	278	308238	4.157	ng/ul	98
96) Benzo(g,h,i)perylene	26.856	276	305765	4.153	ng/ul	97

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

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