

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022223\
 Data File : BP013872.D
 Acq On : 22 Feb 2023 11:51
 Operator : CG/JU
 Sample : 01378-06
 Misc : SFAM-MDL-ME-SOIL-02
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-MED-SOIL-QT1-2023-02

Quant Time: Feb 23 03:16:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP020723.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 22 01:41:33 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/27/2023
 Supervised By :Jagrut Upadhyay 02/28/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.104	152	212509	20.000	ng/u1	0.00
20) Naphthalene-d8	10.928	136	896769	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.739	164	609022	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.492	188	1376249	20.000	ng/u1	0.00
79) Chrysene-d12	21.568	240	1185024	20.000	ng/u1	0.00
88) Perylene-d12	24.121	264	1121102	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.452	96	19538	3.811	ng/uL	0.00
4) Pyridine-d5	3.887	84	176622	11.620	ng/u1	0.00
7) Phenol-d5	7.251	99	327243	17.283	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.422	67	192796	17.376	ng/u1	0.00
11) 2-Chlorophenol-d4	7.628	132	258290	18.531	ng/u1	0.00
15) 4-Methylphenol-d8	8.810	113	261191	16.877	ng/u1	0.00
21) Nitrobenzene-d5	9.275	128	127441	20.425	ng/u1	0.00
24) 2-Nitrophenol-d4	10.004	143	146995	20.404	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.545	165	275201	18.745	ng/u1	0.00
31) 4-Chloroaniline-d4	11.063	131	351001	16.867	ng/u1	0.00
46) Dimethylphthalate-d6	14.145	166	864927	18.031	ng/u1	0.00
49) Acenaphthylene-d8	14.433	160	948717	18.271	ng/u1	0.00
54) 4-Nitrophenol-d4	14.922	143	132696	15.528	ng/u1	0.00
60) Fluorene-d10	15.733	176	748980	18.331	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.845	200	148038	17.533	ng/u1	0.00
73) Anthracene-d10	17.592	188	1110942	17.654	ng/u1	0.00
81) Pyrene-d10	19.810	212	1338844	19.923	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.951	264	1061712	18.900	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.493	88	7087m	1.288	ng/uL	
5) Pyridine	3.910	79	69258	4.610	ng/u1	88
6) Benzaldehyde	7.234	77	42479m	4.975	ng/u1	
8) Phenol	7.275	94	75040	3.861	ng/u1#	91
10) Bis(2-Chloroethyl)ether	7.516	93	62938	4.041	ng/u1	96
12) 2-Chlorophenol	7.663	128	60330	4.219	ng/u1	98
13) 2-Methylphenol	8.545	108	55834	3.764	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.628	45	67471	3.809	ng/u1#	96
16) Acetophenone	8.934	105	101956	4.108	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.916	70	48932	3.970	ng/u1#	97
18) 4-Methylphenol	8.875	108	64002	3.908	ng/u1	97
19) Hexachloroethane	9.198	117	25658	4.381	ng/u1	85
22) Nitrobenzene	9.316	77	73984	4.507	ng/u1	99
23) Isophorone	9.845	82	136349	3.937	ng/u1	99
25) 2-Nitrophenol	10.034	139	35673	4.569	ng/u1	97
26) 2,4-Dimethylphenol	10.087	107	64837	3.729	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.328	93	85279	4.077	ng/u1	98
29) 2,4-Dichlorophenol	10.569	162	62794	4.345	ng/u1	91
30) Naphthalene	10.981	128	204878	4.292	ng/u1	99
32) 4-Chloroaniline	11.086	127	82271	3.922	ng/u1	97
33) Hexachlorobutadiene	11.263	225	50348	4.945	ng/u1	98
34) Caprolactam	11.881	113	20271m	3.997	ng/u1	
35) 4-Chloro-3-methylphenol	12.198	107	65589	3.931	ng/u1	100
36) 2-Methylnaphthalene	12.575	142	137197	4.088	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.798	142	128545	3.707	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.939	216	89949	4.687	ng/ul	98
40) Hexachlorocyclopentadiene	12.922	237	50238	4.077	ng/ul	96
41) 2,4,6-Trichlorophenol	13.180	196	53835	4.275	ng/ul	98
42) 2,4,5-Trichlorophenol	13.251	196	54391	3.990	ng/ul	97
43) 1,1'-Biphenyl	13.575	154	195054	4.268	ng/ul	99
44) 2-Chloronaphthalene	13.622	162	156134	4.343	ng/ul	98
45) 2-Nitroaniline	13.822	65	33369	3.854	ng/ul	93
47) Dimethylphthalate	14.186	163	200657	4.218	ng/ul	100
48) 2,6-Dinitrotoluene	14.310	165	34352	4.133	ng/ul	96
50) Acenaphthylene	14.463	152	238250	4.253	ng/ul	99
51) 3-Nitroaniline	14.645	138	30704	3.736	ng/ul	91
52) Acenaphthene	14.804	153	166420	4.245	ng/ul	97
53) 2,4-Dinitrophenol	14.851	184	27025	4.559	ng/ul	91
55) 4-Nitrophenol	14.939	109	29204	3.895	ng/ul	95
56) Dibenzofuran	15.139	168	243281	4.328	ng/ul	99
57) 2,4-Dinitrotoluene	15.098	165	50441	4.070	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.363	232	55900	4.351	ng/ul#	96
59) Diethylphthalate	15.545	149	196142	4.106	ng/ul	99
61) Fluorene	15.786	166	200066	4.363	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.774	204	107685	4.516	ng/ul	97
63) 4-Nitroaniline	15.804	138	29838	3.834	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.857	198	40989	4.952	ng/ul#	91
67) N-Nitrosodiphenylamine	15.986	169	164546	4.399	ng/ul	99
68) 4-Bromophenyl-phenylether	16.674	248	67204	4.624	ng/ul	98
69) Hexachlorobenzene	16.792	284	79415	4.689	ng/ul	99
70) Atrazine	16.939	200	66121	4.420	ng/ul	99
71) Pentachlorophenol	17.139	266	49819	4.521	ng/ul	99
72) Phenanthrene	17.539	178	309323	4.247	ng/ul	99
74) Anthracene	17.627	178	304404	4.155	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.545	216	82359	4.483	ng/uL	98
76) Pentachlorobenzene	15.057	250	81870	4.318	ng/uL	98
77) Carbazole	17.892	167	263620	4.084	ng/ul	99
78) Di-n-butylphthalate	18.421	149	305637	3.904	ng/ul	100
80) Fluoranthene	19.486	202	358963	4.666	ng/ul	97
82) Pyrene	19.839	202	379123	4.622	ng/ul	96
83) Butylbenzylphthalate	20.692	149	118484	4.221	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.474	252	92670	3.475	ng/ul	99
85) Benzo(a)anthracene	21.551	228	340192	4.201	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.451	149	168044	3.909	ng/ul#	98
87) Chrysene	21.609	228	329320	4.311	ng/ul	99
89) Di-n-octyl phthalate	22.421	149	257669	3.340	ng/ul	100
90) Benzo(b)fluoranthene	23.333	252	311602	4.168	ng/ul	98
91) Benzo(k)fluoranthene	23.380	252	306922	4.138	ng/ul	99
93) Benzo(a)pyrene	24.003	252	275721	4.352	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.803	276	356956	5.023	ng/ul	96
95) Dibenzo(a,h)anthracene	26.815	278	295097	4.971	ng/ul	97
96) Benzo(g,h,i)perylene	27.627	276	290052	5.126	ng/ul	97

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

