

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051724\
 Data File : BP020418.D
 Acq On : 17 May 2024 10:49
 Operator : MA/JU
 Sample : P2409-04
 Misc : SFAM-MDL-SOIL-02
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-QT2-2024-04

Quant Time: May 17 22:52:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 16 10:48:40 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/18/2024
 Supervised By :mohammad ahmed 05/18/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.593	152	85535	20.000	ng/u1	0.00
20) Naphthalene-d8	10.357	136	342404	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.263	164	241536	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.104	188	581849	20.000	ng/u1	-0.02
79) Chrysene-d12	21.604	240	615577	20.000	ng/u1	-0.02
88) Perylene-d12	24.945	264	664045	20.000	ng/u1	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.193	96	9895	4.886	ng/uL	0.00
4) Pyridine-d5	3.599	84	114593	19.473	ng/u1	0.00
7) Phenol-d5	6.787	99	148525	20.219	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.946	67	88079	19.739	ng/u1	0.00
11) 2-Chlorophenol-d4	7.134	132	116694	22.222	ng/u1	0.00
15) 4-Methylphenol-d8	8.305	113	114476	19.276	ng/u1	0.00
21) Nitrobenzene-d5	8.752	128	55672	21.713	ng/u1	0.00
24) 2-Nitrophenol-d4	9.469	143	63965	21.785	ng/u1	0.01
28) 2,4-Dichlorophenol-d3	10.004	165	117260	21.885	ng/u1	0.00
31) 4-Chloroaniline-d4	10.528	131	139863	18.651	ng/u1	0.00
46) Dimethylphthalate-d6	13.681	166	409667	23.226	ng/u1	0.00
49) Acenaphthylene-d8	13.951	160	448555	23.021	ng/u1	0.00
54) 4-Nitrophenol-d4	14.551	143	60707m	22.394	ng/u1	0.00
60) Fluorene-d10	15.287	176	354108	24.069	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	15.457	200	64109	17.363	ng/u1	-0.01
73) Anthracene-d10	17.216	188	537738	21.363	ng/u1	-0.02
81) Pyrene-d10	19.616	212	749923	20.841	ng/u1	-0.02
92) Benzo(a)pyrene-d12	24.715	264	738414	22.998	ng/u1	-0.04
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.228	88	2288m	0.996	ng/uL	
5) Pyridine	3.617	79	22400	3.763	ng/u1#	54
6) Benzaldehyde	6.787	77	18838	5.102	ng/u1	95
8) Phenol	6.816	94	30851	4.069	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.040	93	25850	4.357	ng/u1	99
12) 2-Chlorophenol	7.169	128	24892	4.540	ng/u1	94
13) 2-Methylphenol	8.052	108	23099	4.084	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.116	45	32033	4.328	ng/u1	94
16) Acetophenone	8.428	105	41575	4.218	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.399	70	20766	3.882	ng/u1#	95
18) 4-Methylphenol	8.381	108	25295m	4.115	ng/u1	
19) Hexachloroethane	8.628	117	11670	4.655	ng/u1	88
22) Nitrobenzene	8.799	77	30682	4.168	ng/u1	94
23) Isophorone	9.316	82	59608	4.212	ng/u1	98
25) 2-Nitrophenol	9.499	139	14460	4.754	ng/u1#	84
26) 2,4-Dimethylphenol	9.575	107	22192	3.345	ng/u1	91
27) Bis(2-Chloroethoxy)met...	9.804	93	32564	4.150	ng/u1	93
29) 2,4-Dichlorophenol	10.046	162	23676m	4.543	ng/u1	
30) Naphthalene	10.404	128	85552	4.847	ng/u1	100
32) 4-Chloroaniline	10.551	127	32318	4.407	ng/u1	100
33) Hexachlorobutadiene	10.663	225	20657	5.103	ng/u1	94
34) Caprolactam	11.404	113	8540m	4.693	ng/u1	
35) 4-Chloro-3-methylphenol	11.710	107	24790	3.820	ng/u1	98
36) 2-Methylnaphthalene	12.046	142	57609	4.691	ng/u1	99

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37) 1-Methylnaphthalene	12.269	142	61910	5.010	ng/ul	93
39) 1,2,4,5-Tetrachloroben...	12.416	216	35467	4.708	ng/ul	96
40) Hexachlorocyclopentadiene	12.363	237	21918	5.350	ng/ul	95
41) 2,4,6-Trichlorophenol	12.693	196	20293m	4.296	ng/ul	
42) 2,4,5-Trichlorophenol	12.787	196	22370	4.401	ng/ul	84
43) 1,1'-Biphenyl	13.081	154	79554	4.657	ng/ul	100
44) 2-Chloronaphthalene	13.122	162	65188	4.809	ng/ul	99
45) 2-Nitroaniline	13.387	65	16289m	3.623	ng/ul	
47) Dimethylphthalate	13.734	163	88318	4.957	ng/ul	99
48) 2,6-Dinitrotoluene	13.881	165	15586	4.401	ng/ul	99
50) Acenaphthylene	13.981	152	108574	4.954	ng/ul	99
51) 3-Nitroaniline	14.245	138	12322m	3.730	ng/ul	
52) Acenaphthene	14.328	153	70765	4.805	ng/ul	95
53) 2,4-Dinitrophenol	14.475	184	7810m	3.592	ng/ul	
55) 4-Nitrophenol	14.581	109	12733m	4.511	ng/ul	
56) Dibenzofuran	14.687	168	101707	5.021	ng/ul	98
57) 2,4-Dinitrotoluene	14.698	165	24136	4.740	ng/ul	89
58) 2,3,4,6-Tetrachlorophenol	14.928	232	22463	4.921	ng/ul#	99
59) Diethylphthalate	15.128	149	88151	4.957	ng/ul	99
61) Fluorene	15.345	166	84204	5.003	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.351	204	46154	5.169	ng/ul	91
63) 4-Nitroaniline	15.445	138	12510m	4.544	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.475	198	16569	4.304	ng/ul#	83
67) N-Nitrosodiphenylamine	15.581	169	71285	4.400	ng/ul	98
68) 4-Bromophenyl-phenylether	16.275	248	29785	4.726	ng/ul	97
69) Hexachlorobenzene	16.369	284	35113	4.810	ng/ul	93
70) Atrazine	16.586	200	30009	5.224	ng/ul	98
71) Pentachlorophenol	16.763	266	18952m	4.295	ng/ul	
72) Phenanthrene	17.157	178	141118	4.754	ng/ul	98
74) Anthracene	17.251	178	134510	4.455	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.034	216	37134	4.294	ng/ul	97
76) Pentachlorobenzene	14.592	250	41128	4.753	ng/ul	97
77) Carbazole	17.569	167	117540	4.519	ng/ul	97
78) Di-n-butylphthalate	18.139	149	145373	4.611	ng/ul	99
80) Fluoranthene	19.269	202	183576	4.335	ng/ul	99
82) Pyrene	19.645	202	195012	4.426	ng/ul	99
83) Butylbenzylphthalate	20.616	149	69169	4.135	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.533	252	50739	4.050	ng/ul	96
85) Benzo(a)anthracene	21.580	228	196165	4.698	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.527	149	100961	4.184	ng/ul	95
87) Chrysene	21.657	228	191377	4.945	ng/ul	98
89) Di-n-octyl phthalate	22.810	149	165091	3.882	ng/ul	100
90) Benzo(b)fluoranthene	23.892	252	183169	4.637	ng/ul	99
91) Benzo(k)fluoranthene	23.957	252	194029	4.820	ng/ul	98
93) Benzo(a)pyrene	24.786	252	174833	4.652	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.756	276	214457m	4.654	ng/ul	
95) Dibenzo(a,h)anthracene	28.827	278	179619m	4.713	ng/ul	
96) Benzo(g,h,i)perylene	29.956	276	174426m	4.694	ng/ul	

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

