

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051624\
 Data File : BP020409.D
 Acq On : 16 May 2024 12:59
 Operator : MA/JU
 Sample : P2409-03
 Misc : SFAM-MDL-SOIL-01
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-QT2-2024-03

Quant Time: May 16 13:44:02 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 :Jagrut
 Upadhyay
 05/17/2024

Supervised By :mohammad
 ahmed
 05/18/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.581	152	74188	20.000	ng/u1	0.00
20) Naphthalene-d8	10.351	136	312907	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.263	164	228318	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.104	188	563079	20.000	ng/u1	-0.02
79) Chrysene-d12	21.604	240	615506	20.000	ng/u1	-0.02
88) Perylene-d12	24.968	264	650307	20.000	ng/u1	-0.02

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.187	96	9119	5.191	ng/uL	0.00
4) Pyridine-d5	3.587	84	101471	19.880	ng/u1	0.00
7) Phenol-d5	6.775	99	131442	20.631	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.934	67	77789	20.099	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.122	132	102349	22.472	ng/u1	0.00
15) 4-Methylphenol-d8	8.299	113	101845	19.772	ng/u1	0.00
21) Nitrobenzene-d5	8.746	128	51238	21.867	ng/u1	0.00
24) 2-Nitrophenol-d4	9.457	143	57957	21.599	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.004	165	105691	21.585	ng/u1	0.00
31) 4-Chloroaniline-d4	10.528	131	136363	19.898	ng/u1	0.00
46) Dimethylphthalate-d6	13.681	166	397838	23.861	ng/u1	0.00
49) Acenaphthylene-d8	13.945	160	418960	22.747	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.551	143	60483m	23.603	ng/u1	0.00
60) Fluorene-d10	15.286	176	343252	24.682	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	15.457	200	64094	17.938	ng/u1	-0.01
73) Anthracene-d10	17.210	188	518225	21.274	ng/u1	-0.02
81) Pyrene-d10	19.616	212	710492	19.747	ng/u1	-0.02
92) Benzo(a)pyrene-d12	24.727	264	728166	23.158	ng/u1	-0.02

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.222	88	2063m	1.035	ng/uL	
5) Pyridine	3.611	79	21984	4.258	ng/u1#	60
6) Benzaldehyde	6.775	77	16969	5.299	ng/u1	99
8) Phenol	6.805	94	26503	4.030	ng/u1	88
10) Bis(2-Chloroethyl)ether	7.034	93	21427	4.164	ng/u1	96
12) 2-Chlorophenol	7.157	128	21807	4.586	ng/u1	98
13) 2-Methylphenol	8.046	108	19976	4.072	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.116	45	28782	4.484	ng/u1	99
16) Acetophenone	8.422	105	36319	4.248	ng/u1	91
17) N-Nitroso-di-n-propyla...	8.393	70	19345	4.170	ng/u1	96
18) 4-Methylphenol	8.375	108	22776m	4.272	ng/u1	
19) Hexachloroethane	8.622	117	10298	4.736	ng/u1	92
22) Nitrobenzene	8.793	77	31665	4.708	ng/u1	98
23) Isophorone	9.304	82	54072	4.181	ng/u1	98
25) 2-Nitrophenol	9.487	139	12876	4.633	ng/u1	94
26) 2,4-Dimethylphenol	9.557	107	20399	3.364	ng/u1	97
27) Bis(2-Chloroethoxy)met...	9.798	93	30720	4.284	ng/u1	95
29) 2,4-Dichlorophenol	10.040	162	22190	4.659	ng/u1	96
30) Naphthalene	10.404	128	78157	4.846	ng/u1	96
32) 4-Chloroaniline	10.551	127	28806m	4.298	ng/u1	
33) Hexachlorobutadiene	10.663	225	18195	4.918	ng/u1	94
34) Caprolactam	11.392	113	7882m	4.740	ng/u1	
35) 4-Chloro-3-methylphenol	11.710	107	22875	3.857	ng/u1	97
36) 2-Methylnaphthalene	12.045	142	53174	4.738	ng/u1	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.263	142	57392	5.082	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.422	216	34639	4.865	ng/ul	97
40) Hexachlorocyclopentadiene	12.369	237	21427	5.533	ng/ul#	97
41) 2,4,6-Trichlorophenol	12.692	196	19993m	4.477	ng/ul	
42) 2,4,5-Trichlorophenol	12.781	196	21871m	4.552	ng/ul	
43) 1,1'-Biphenyl	13.075	154	77446	4.796	ng/ul	95
44) 2-Chloronaphthalene	13.122	162	59484	4.642	ng/ul	99
45) 2-Nitroaniline	13.387	65	16202m	3.812	ng/ul	
47) Dimethylphthalate	13.734	163	83361	4.950	ng/ul	99
48) 2,6-Dinitrotoluene	13.875	165	15104	4.511	ng/ul	87
50) Acenaphthylene	13.975	152	102616	4.953	ng/ul	100
51) 3-Nitroaniline	14.245	138	12347m	3.954	ng/ul	
52) Acenaphthene	14.328	153	67164	4.824	ng/ul	97
53) 2,4-Dinitrophenol	14.481	184	7854m	3.822	ng/ul	
55) 4-Nitrophenol	14.581	109	12465m	4.672	ng/ul	
56) Dibenzofuran	14.681	168	97938	5.115	ng/ul	97
57) 2,4-Dinitrotoluene	14.698	165	24875	5.168	ng/ul#	81
58) 2,3,4,6-Tetrachlorophenol	14.922	232	22854	5.297	ng/ul#	97
59) Diethylphthalate	15.133	149	87718	5.218	ng/ul	98
61) Fluorene	15.345	166	82979	5.216	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.345	204	43713	5.179	ng/ul	95
63) 4-Nitroaniline	15.445	138	11835m	4.548	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.475	198	15967	4.285	ng/ul#	93
67) N-Nitrosodiphenylamine	15.575	169	69859	4.456	ng/ul	98
68) 4-Bromophenyl-phenylether	16.269	248	28395	4.656	ng/ul#	91
69) Hexachlorobenzene	16.375	284	33664	4.765	ng/ul	95
70) Atrazine	16.586	200	28864	5.192	ng/ul	96
71) Pentachlorophenol	16.763	266	20433	4.785	ng/ul	94
72) Phenanthrene	17.157	178	139885	4.869	ng/ul	99
74) Anthracene	17.245	178	129394	4.428	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.034	216	34336	4.103	ng/uL	97
76) Pentachlorobenzene	14.592	250	40170	4.797	ng/uL	98
77) Carbazole	17.557	167	112144	4.455	ng/ul	99
78) Di-n-butylphthalate	18.139	149	149115	4.887	ng/ul	99
80) Fluoranthene	19.263	202	172779	4.081	ng/ul	99
82) Pyrene	19.651	202	186570	4.235	ng/ul	98
83) Butylbenzylphthalate	20.627	149	69274	4.142	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.539	252	43014	3.434	ng/ul	88
85) Benzo(a)anthracene	21.586	228	192053	4.600	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.533	149	105944	4.391	ng/ul	99
87) Chrysene	21.657	228	185931	4.805	ng/ul	99
89) Di-n-octyl phthalate	22.827	149	176337	4.234	ng/ul	100
90) Benzo(b)fluoranthene	23.909	252	187095	4.836	ng/ul	99
91) Benzo(k)fluoranthene	23.974	252	183617	4.658	ng/ul	100
93) Benzo(a)pyrene	24.804	252	172316	4.681	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.792	276	205127	4.546	ng/ul	96
95) Dibenzo(a,h)anthracene	28.874	278	175958m	4.715	ng/ul	
96) Benzo(g,h,i)perylene	29.991	276	170496m	4.685	ng/ul	

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

