

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112524\
 Data File : BP023316.D
 Acq On : 25 Nov 2024 15:00
 Operator : RC/JU
 Sample : P4776-04
 Misc : MDL-SOIL-QT4-2024
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-QT4-2024-08

Quant Time: Nov 26 00:13:34 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP110924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 20 04:34:35 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/27/2024
 Supervised By :mohammad ahmed 11/27/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.564	152	67172	20.000	ng/u1	0.00
20) Naphthalene-d8	10.310	136	260856	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.175	164	212495	20.000	ng/u1	-0.01
64) Phenanthrene-d10	16.981	188	551033	20.000	ng/u1	#-0.02
79) Chrysene-d12	21.410	240	664249	20.000	ng/u1	-0.01
88) Perylene-d12	24.610	264	768579	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.128	96	5969	4.271	ng/uL	0.00
4) Pyridine-d5	3.552	84	49644	11.957	ng/u1	0.00
7) Phenol-d5	6.781	99	57012	11.480	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.916	67	40357	13.832	ng/u1	0.00
11) 2-Chlorophenol-d4	7.116	132	44840	12.328	ng/u1	0.00
15) 4-Methylphenol-d8	8.293	113	46854	11.465	ng/u1	0.01
21) Nitrobenzene-d5	8.710	128	22174	12.210	ng/u1	0.00
24) 2-Nitrophenol-d4	9.416	143	27237	12.581	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.975	165	53951m	11.899	ng/u1	0.01
31) 4-Chloroaniline-d4	10.475	131	61624	11.393	ng/u1	0.00
46) Dimethylphthalate-d6	13.581	166	208497	13.614	ng/u1	0.00
49) Acenaphthylene-d8	13.863	160	220355	13.789	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.498	143	27383m	11.897	ng/u1	0.04
60) Fluorene-d10	15.187	176	183525	13.668	ng/u1	-0.02
65) 4,6-Dinitro-2-methylph...	15.351	200	33130	10.036	ng/u1	0.00
73) Anthracene-d10	17.081	188	317941	13.627	ng/u1	-0.02
81) Pyrene-d10	19.463	212	420636	13.748	ng/u1	-0.02
92) Benzo(a)pyrene-d12	24.392	264	515331	14.076	ng/u1	-0.03
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.170	88	1802m	1.116	ng/uL	
5) Pyridine	3.570	79	15869	3.806	ng/u1#	75
6) Benzaldehyde	6.752	77	13595m	4.757	ng/u1	
8) Phenol	6.805	94	19161	3.695	ng/u1	91
10) Bis(2-Chloroethyl)ether	7.005	93	16700	4.285	ng/u1	92
12) 2-Chlorophenol	7.152	128	15396	4.077	ng/u1	93
13) 2-Methylphenol	8.028	108	14673	3.790	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.075	45	22426	5.083	ng/u1	98
16) Acetophenone	8.387	105	30356	4.420	ng/u1	94
17) N-Nitroso-di-n-propyla...	8.352	70	16100	4.695	ng/u1	99
18) 4-Methylphenol	8.369	108	16830m	3.936	ng/u1	
19) Hexachloroethane	8.605	117	7873	4.311	ng/u1	95
22) Nitrobenzene	8.758	77	23868	4.580	ng/u1#	89
23) Isophorone	9.269	82	42125	4.521	ng/u1	96
25) 2-Nitrophenol	9.452	139	8864	3.879	ng/u1	96
26) 2,4-Dimethylphenol	9.522	107	18057	3.659	ng/u1	96
27) Bis(2-Chloroethoxy)met...	9.746	93	24216	4.724	ng/u1	97
29) 2,4-Dichlorophenol	10.005	162	18458m	4.110	ng/u1	
30) Naphthalene	10.352	128	59119	4.665	ng/u1	99
32) 4-Chloroaniline	10.493	127	20650m	3.941	ng/u1	
33) Hexachlorobutadiene	10.622	225	17468	4.299	ng/u1	95
34) Caprolactam	11.316	113	6014m	4.502	ng/u1	
35) 4-Chloro-3-methylphenol	11.652	107	18621	3.854	ng/u1	94
36) 2-Methylnaphthalene	11.975	142	41707	4.359	ng/u1	88

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.193	142	37985	3.884	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.351	216	31430	4.381	ng/ul	98
40) Hexachlorocyclopentadiene	12.304	237	16115	4.277	ng/ul	98
41) 2,4,6-Trichlorophenol	12.622	196	16413m	3.757	ng/ul	
42) 2,4,5-Trichlorophenol	12.716	196	18344m	3.895	ng/ul	
43) 1,1'-Biphenyl	12.993	154	60560	4.448	ng/ul	96
44) 2-Chloronaphthalene	13.046	162	48717	4.377	ng/ul	97
45) 2-Nitroaniline	13.281	65	11251	3.600	ng/ul	96
47) Dimethylphthalate	13.628	163	69136	4.577	ng/ul	99
48) 2,6-Dinitrotoluene	13.781	165	11724	3.991	ng/ul	93
50) Acenaphthylene	13.893	152	75115	4.650	ng/ul	100
51) 3-Nitroaniline	14.151	138	9294	3.673	ng/ul	100
52) Acenaphthene	14.234	153	53391	4.553	ng/ul	98
53) 2,4-Dinitrophenol	14.363	184	12063	5.787	ng/ul	95
55) 4-Nitrophenol	14.504	109	9708m	3.605	ng/ul	
56) Dibenzofuran	14.593	168	83452	4.606	ng/ul	96
57) 2,4-Dinitrotoluene	14.593	165	19557	4.177	ng/ul#	69
58) 2,3,4,6-Tetrachlorophenol	14.840	232	19173	4.165	ng/ul	93
59) Diethylphthalate	15.010	149	65785	4.404	ng/ul	96
61) Fluorene	15.251	166	67650	4.562	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.240	204	39411	4.513	ng/ul	97
63) 4-Nitroaniline	15.328	138	7784	3.306	ng/ul#	83
66) 4,6-Dinitro-2-methylph...	15.363	198	14682	4.164	ng/ul#	84
67) N-Nitrosodiphenylamine	15.463	169	56937	4.472	ng/ul	95
68) 4-Bromophenyl-phenylether	16.151	248	25603	4.103	ng/ul	99
69) Hexachlorobenzene	16.269	284	33117	4.216	ng/ul	97
70) Atrazine	16.445	200	26630	4.327	ng/ul	96
71) Pentachlorophenol	16.651	266	31098	6.377	ng/ul	92
72) Phenanthrene	17.028	178	120365	4.626	ng/ul	99
74) Anthracene	17.116	178	114285	4.369	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	12.951	216	29545	4.061	ng/ul	94
76) Pentachlorobenzene	14.510	250	32609	3.925	ng/ul	97
77) Carbazole	17.422	167	91534	4.011	ng/ul	99
78) Di-n-butylphthalate	17.992	149	106627	4.210	ng/ul	99
80) Fluoranthene	19.128	202	149818	4.250	ng/ul	100
82) Pyrene	19.504	202	170256	4.496	ng/ul	98
83) Butylbenzylphthalate	20.451	149	50710	4.068	ng/ul	92
84) 3,3'-Dichlorobenzidine	21.333	252	48371	3.244	ng/ul	97
85) Benzo(a)anthracene	21.392	228	182885	4.509	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.316	149	74840	4.224	ng/ul	95
87) Chrysene	21.463	228	169646	4.445	ng/ul	97
89) Di-n-octyl phthalate	22.522	149	135662	4.351	ng/ul	100
90) Benzo(b)fluoranthene	23.604	252	197035	4.606	ng/ul	99
91) Benzo(k)fluoranthene	23.669	252	205337	4.876	ng/ul#	98
93) Benzo(a)pyrene	24.457	252	164583	4.256	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	28.245	276	235071m	4.363	ng/ul	
95) Dibenzo(a,h)anthracene	28.309	278	185029m	4.230	ng/ul	
96) Benzo(g,h,i)perylene	29.404	276	182488m	4.459	ng/ul	

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

