

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091224\
 Data File : BP021896.D
 Acq On : 12 Sep 2024 14:51
 Operator : RC/JU
 Sample : P3391-03
 Misc : SFAM-MDL-Q3-SOIL-01
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-QT3-2024-05

Quant Time: Sep 12 15:29:40 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP091124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 12 12:48:41 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/13/2024
 Supervised By :mohammad ahmed 09/14/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	80543	20.000	ng/u1	0.03
20) Naphthalene-d8	10.528	136	325098	20.000	ng/u1	0.02
38) Acenaphthene-d10	14.369	164	242529	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.151	188	603378m	20.000	ng/u1	0.00
79) Chrysene-d12	21.592	240	708475	20.000	ng/u1	# 0.00
88) Perylene-d12	24.921	264	830427	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.269	96	8597	3.453	ng/uL	0.01
4) Pyridine-d5	3.681	84	124697	17.010	ng/u1	0.02
7) Phenol-d5	6.934	99	140990	20.487	ng/u1	0.02
9) Bis-(2-Chloroethyl)eth...	7.093	67	82364	20.605	ng/u1	0.02
11) 2-Chlorophenol-d4	7.298	132	116806	24.382	ng/u1	0.02
15) 4-Methylphenol-d8	8.457	113	106099	19.309	ng/u1	0.03
21) Nitrobenzene-d5	8.898	128	57187	28.245	ng/u1	0.02
24) 2-Nitrophenol-d4	9.616	143	62818	27.292	ng/u1	0.02
28) 2,4-Dichlorophenol-d3	10.151	165	122609	24.055	ng/u1	0.02
31) 4-Chloroaniline-d4	10.657	131	153656	20.685	ng/u1	0.02
46) Dimethylphthalate-d6	13.769	166	429862	23.592	ng/u1	0.00
49) Acenaphthylene-d8	14.057	160	451725	22.601	ng/u1	0.00
54) 4-Nitrophenol-d4	14.575	143	74633	21.668	ng/u1	0.00
60) Fluorene-d10	15.374	176	377500	21.797	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.492	200	69092	20.015	ng/u1	0.00
73) Anthracene-d10	17.257	188	545629	19.467	ng/u1	0.00
81) Pyrene-d10	19.627	212	825568	21.062	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.680	264	985443	22.802	ng/u1	-0.01
Target Compounds						
					Qvalue	
5) Pyridine	3.705	79	24338	3.320	ng/u1#	82
6) Benzaldehyde	6.910	77	18485	5.136	ng/u1	91
8) Phenol	6.963	94	28600	4.006	ng/u1	94
10) Bis(2-Chloroethyl)ether	7.181	93	24042	4.487	ng/u1	94
12) 2-Chlorophenol	7.328	128	23715	4.813	ng/u1	97
13) 2-Methylphenol	8.193	108	18971	3.758	ng/u1	95
14) 2,2'-oxybis(1-Chloropr...	8.275	45	24715	4.244	ng/u1#	91
16) Acetophenone	8.569	105	39324	4.438	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.557	70	18997	4.485	ng/u1#	96
18) 4-Methylphenol	8.522	108	22766	4.020	ng/u1	98
19) Hexachloroethane	8.822	117	10840	4.638	ng/u1	96
22) Nitrobenzene	8.945	77	31514	5.810	ng/u1	91
23) Isophorone	9.463	82	50539	4.997	ng/u1	98
25) 2-Nitrophenol	9.645	139	13524	5.309	ng/u1	93
26) 2,4-Dimethylphenol	9.710	107	11655	2.153	ng/u1	90
27) Bis(2-Chloroethoxy)met...	9.939	93	30224	4.880	ng/u1	97
29) 2,4-Dichlorophenol	10.181	162	25782	4.944	ng/u1	95
30) Naphthalene	10.575	128	80977	4.678	ng/u1	99
32) 4-Chloroaniline	10.681	127	31781	4.346	ng/u1	99
33) Hexachlorobutadiene	10.869	225	21414	5.156	ng/u1	96
34) Caprolactam	11.463	113	11593	6.414	ng/u1	95
35) 4-Chloro-3-methylphenol	11.810	107	24282	4.119	ng/u1	95
36) 2-Methylnaphthalene	12.181	142	57427	4.522	ng/u1	99
37) 1-Methylnaphthalene	12.404	142	59885	4.627	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 1,2,4,5-Tetrachloroben...	12.557	216	36362	4.403	ng/ul	97
40) Hexachlorocyclopentadiene	12.533	237	22644	4.844	ng/ul	91
41) 2,4,6-Trichlorophenol	12.792	196	20455	4.029	ng/ul	89
42) 2,4,5-Trichlorophenol	12.869	196	22377	3.999	ng/ul	96
43) 1,1'-Biphenyl	13.192	154	80397	4.525	ng/ul	99
44) 2-Chloronaphthalene	13.239	162	65136	4.538	ng/ul	98
45) 2-Nitroaniline	13.439	65	15621	4.096	ng/ul	96
47) Dimethylphthalate	13.816	163	89750	4.862	ng/ul	99
48) 2,6-Dinitrotoluene	13.939	165	14633	4.266	ng/ul#	92
50) Acenaphthylene	14.086	152	103972	4.895	ng/ul	99
51) 3-Nitroaniline	14.269	138	13367	3.845	ng/ul#	94
52) Acenaphthene	14.427	153	71043	4.663	ng/ul	99
53) 2,4-Dinitrophenol	14.475	184	14777	6.815	ng/ul	96
55) 4-Nitrophenol	14.586	109	18553	6.000	ng/ul	93
56) Dibenzofuran	14.769	168	105122	4.713	ng/ul	95
57) 2,4-Dinitrotoluene	14.727	165	25098	4.667	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	15.010	232	21437	4.448	ng/ul	97
59) Diethylphthalate	15.198	149	88901	4.797	ng/ul	98
61) Fluorene	15.422	166	87723	4.485	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.416	204	46515	4.567	ng/ul	93
63) 4-Nitroaniline	15.439	138	13736	3.562	ng/ul#	78
66) 4,6-Dinitro-2-methylph...	15.504	198	17250m	4.525	ng/ul	
67) N-Nitrosodiphenylamine	15.645	169	74302	4.465	ng/ul	96
68) 4-Bromophenyl-phenylether	16.333	248	29749m	4.728	ng/ul	
69) Hexachlorobenzene	16.451	284	35711	4.728	ng/ul	97
70) Atrazine	16.616	200	31135	4.767	ng/ul	97
71) Pentachlorophenol	16.798	266	34034	6.900	ng/ul	98
72) Phenanthrene	17.198	178	151817m	4.645	ng/ul	
74) Anthracene	17.298	178	130912	3.963	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.157	216	36136	4.279	ng/uL	97
76) Pentachlorobenzene	14.686	250	40854	4.835	ng/uL	97
77) Carbazole	17.574	167	130199	4.401	ng/ul	99
78) Di-n-butylphthalate	18.157	149	145658	4.479	ng/ul#	98
80) Fluoranthene	19.280	202	192694	4.268	ng/ul#	94
82) Pyrene	19.657	202	208404	4.254	ng/ul#	95
83) Butylbenzylphthalate	20.610	149	73069	4.338	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.486	252	60534	3.813	ng/ul	99
85) Benzo(a)anthracene	21.568	228	224085	4.478	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.504	149	104045	4.275	ng/ul	99
87) Chrysene	21.633	228	210975	4.408	ng/ul	98
89) Di-n-octyl phthalate	22.780	149	167332	3.779	ng/ul	100
90) Benzo(b)fluoranthene	23.862	252	241070m	4.675	ng/ul	
91) Benzo(k)fluoranthene	23.927	252	243916	4.787	ng/ul	98
93) Benzo(a)pyrene	24.750	252	220710	4.637	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	28.674	276	305524	5.108	ng/ul	97
95) Dibenzo(a,h)anthracene	28.744	278	261728	5.432	ng/ul	97
96) Benzo(g,h,i)perylene	29.844	276	253217	5.353	ng/ul	96

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

