Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032524\
Data File : BP019980.D
Acq On : 25 Mar 2024 13:00
Operator : MA/JU
Sample : P1601-03
Misc : SFAM-MDL-SOIL-01
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 26 00:06:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP032224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Mar 25 10:46:59 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-QT1-2024-01

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay
03/26/2024
Supervised By :mohammad ahmed
03/27/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.581	152	135174	20.000	ng/ul	-0.04
20) Naphthalene-d8	10.328	136	570807	20.000	ng/ul	-0.04
38) Acenaphthene-d10	14.228	164	370979	20.000	ng/ul	-0.02
64) Phenanthrene-d10	17.075	188	760637	20.000	ng/ul	0.00
79) Chrysene-d12	21.533	240	639639	20.000	ng/ul	-0.01
88) Perylene-d12	24.833	264	702670	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.222	96	15638	5.069	ng/uL	-0.02
4) Pyridine-d5	3.611	84	223026	23.941	ng/ul	-0.03
7) Phenol-d5	6.763	99	262200	22.999	ng/ul	-0.04
9) Bis-(2-Chloroethyl)eth...	6.922	67	173336	23.337	ng/ul	-0.05
11) 2-Chlorophenol-d4	7.110	132	189873	23.191	ng/ul	-0.04
15) 4-Methylphenol-d8	8.269	113	203243	23.043	ng/ul	-0.04
21) Nitrobenzene-d5	8.728	128	97710	22.333	ng/ul	-0.03
24) 2-Nitrophenol-d4	9.428	143	108834	22.233	ng/ul	-0.04
28) 2,4-Dichlorophenol-d3	9.963	165	192863	21.573	ng/ul	-0.04
31) 4-Chloroaniline-d4	10.487	131	261139	22.407	ng/ul	-0.03
46) Dimethylphthalate-d6	13.645	166	583721	22.442	ng/ul	0.00
49) Acenaphthylene-d8	13.922	160	681603	22.433	ng/ul	-0.01
54) 4-Nitrophenol-d4	14.469	143	76738	18.767	ng/ul	-0.01
60) Fluorene-d10	15.257	176	495031	22.342	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.410	200	85689	18.820	ng/ul	-0.01
73) Anthracene-d10	17.169	188	709450	21.070	ng/ul	0.00
81) Pyrene-d10	19.563	212	813396	21.674	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.580	264	759145	22.488	ng/ul	-0.03
Target Compounds						Qvalue
2) 1,4-Dioxane	3.258	88	4049	1.150	ng/uL#	87
5) Pyridine	3.634	79	41615	4.383	ng/ul#	71
6) Benzaldehyde	6.758	77	35000	6.209	ng/ul	96
8) Phenol	6.793	94	52186	4.378	ng/ul	95
10) Bis(2-Chloroethyl)ether	7.016	93	43039	4.459	ng/ul	98
12) 2-Chlorophenol	7.146	128	37865	4.388	ng/ul	98
13) 2-Methylphenol	8.016	108	36899	4.295	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.081	45	61578	4.639	ng/ul	96
16) Acetophenone	8.399	105	66531	4.676	ng/ul	95
17) N-Nitroso-di-n-propyla...	8.381	70	37322	4.703	ng/ul	98
18) 4-Methylphenol	8.340	108	40155	4.342	ng/ul	97
19) Hexachloroethane	8.616	117	17597	4.391	ng/ul	98
22) Nitrobenzene	8.763	77	54408	4.366	ng/ul	98
23) Isophorone	9.281	82	101107	4.352	ng/ul	97
25) 2-Nitrophenol	9.463	139	21096	4.134	ng/ul	98
26) 2,4-Dimethylphenol	9.528	107	36519	3.278	ng/ul	97
27) Bis(2-Chloroethoxy)met...	9.757	93	57583	4.239	ng/ul	98
29) 2,4-Dichlorophenol	9.999	162	35579	4.068	ng/ul	96
30) Naphthalene	10.381	128	126599	4.323	ng/ul	98
32) 4-Chloroaniline	10.510	127	49384	4.318	ng/ul	98
33) Hexachlorobutadiene	10.634	225	28150	4.084	ng/ul	98
34) Caprolactam	11.340	113	12145m	4.468	ng/ul	
35) 4-Chloro-3-methylphenol	11.651	107	42029	4.326	ng/ul	97
36) 2-Methylnaphthalene	11.998	142	85757	4.398	ng/ul	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.234	142	87469	4.486	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.375	216	50192	4.092	ng/ul	97
40) Hexachlorocyclopentadiene	12.334	237	36739	5.293	ng/ul	99
41) 2,4,6-Trichlorophenol	12.640	196	30601	4.061	ng/ul	96
42) 2,4,5-Trichlorophenol	12.728	196	30601m	3.926	ng/ul	
43) 1,1'-Biphenyl	13.045	154	114053	4.245	ng/ul	99
44) 2-Chloronaphthalene	13.087	162	92454	4.267	ng/ul	98
45) 2-Nitroaniline	13.316	65	27290	3.999	ng/ul	92
47) Dimethylphthalate	13.687	163	113785	4.334	ng/ul	100
48) 2,6-Dinitrotoluene	13.828	165	20854	3.912	ng/ul	91
50) Acenaphthylene	13.951	152	145781	4.290	ng/ul	98
51) 3-Nitroaniline	14.157	138	17695	3.605	ng/ul	89
52) Acenaphthene	14.298	153	96865	4.291	ng/ul	99
53) 2,4-Dinitrophenol	14.404	184	11436	3.770	ng/ul#	84
55) 4-Nitrophenol	14.487	109	14424	3.844	ng/ul	89
56) Dibenzofuran	14.639	168	132884	4.335	ng/ul	96
57) 2,4-Dinitrotoluene	14.645	165	30201	4.144	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	14.881	232	27834	4.165	ng/ul	96
59) Diethylphthalate	15.098	149	109220	4.195	ng/ul	98
61) Fluorene	15.310	166	109027	4.361	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.310	204	57469	4.291	ng/ul	99
63) 4-Nitroaniline	15.369	138	16015	3.820	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.428	198	19727	4.083	ng/ul#	87
67) N-Nitrosodiphenylamine	15.539	169	90704	4.317	ng/ul	98
68) 4-Bromophenyl-phenylether	16.234	248	33641	4.075	ng/ul	93
69) Hexachlorobenzene	16.351	284	37556	4.097	ng/ul	95
70) Atrazine	16.539	200	33600	4.174	ng/ul	96
71) Pentachlorophenol	16.722	266	20809	3.872	ng/ul	93
72) Phenanthrene	17.116	178	164978	4.195	ng/ul	99
74) Anthracene	17.198	178	159511	3.995	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	12.998	216	48454	3.907	ng/uL	98
76) Pentachlorobenzene	14.551	250	50274	4.377	ng/uL	97
77) Carbazole	17.510	167	139860	4.096	ng/ul	99
78) Di-n-butylphthalate	18.092	149	164330	3.854	ng/ul	99
80) Fluoranthene	19.216	202	182337	4.136	ng/ul	100
82) Pyrene	19.592	202	192270	4.197	ng/ul	97
83) Butylbenzylphthalate	20.574	149	69489	3.735	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.463	252	53268	3.916	ng/ul	96
85) Benzo(a)anthracene	21.516	228	180086	4.068	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.469	149	103790	3.818	ng/ul	98
87) Chrysene	21.580	228	171716	4.173	ng/ul	97
89) Di-n-octyl phthalate	22.727	149	179100	4.019	ng/ul	100
90) Benzo(b)fluoranthene	23.780	252	168844	4.098	ng/ul	99
91) Benzo(k)fluoranthene	23.845	252	176838	4.224	ng/ul	98
93) Benzo(a)pyrene	24.651	252	167337	4.199	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	28.556	276	206423m	4.113	ng/ul	
95) Dibenzo(a,h)anthracene	28.639	278	173505m	4.250	ng/ul	
96) Benzo(g,h,i)perylene	29.733	276	171538m	4.231	ng/ul	

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

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