Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020624\
Data File : BP019573.D
Acq On : 06 Feb 2024 14:45
Operator : MA/JU
Sample : P1187-09
Misc : MDL-MDL-SOIL-8PPM
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MDL-WATER-03-QT1-2024

Quant Time: Feb 07 01:40:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 01 00:51:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.910	152	82074	20.000	ng		0.00
21) Naphthalene-d8	10.710	136	305018	20.000	ng		0.00
39) Acenaphthene-d10	14.540	164	176473	20.000	ng		-0.01
64) Phenanthrene-d10	17.292	188	345888	20.000	ng		-0.01
76) Chrysene-d12	21.386	240	386704	20.000	ng		0.00
86) Perylene-d12	23.804	264	506472	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.481	112	493692	96.960	ng		0.00
7) Phenol-d6	7.075	99	641719	93.471	ng		-0.01
23) Nitrobenzene-d5	9.075	82	475748	67.586	ng		-0.01
42) 2,4,6-Tribromophenol	16.034	330	231431	89.819	ng		0.00
45) 2-Fluorobiphenyl	13.169	172	989588	69.323	ng		-0.01
79) Terphenyl-d14	19.863	244	1368986	58.219	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.387	88	15755	8.031	ng		96
3) Pyridine	3.793	79	33638	6.325	ng		96
4) n-Nitrosodimethylamine	3.711	42	15306	6.610	ng		99
6) Aniline	7.240	93	53944	8.086	ng		98
8) 2-Chlorophenol	7.469	128	37382	7.151	ng		94
9) Benzaldehyde	7.058	77	38268	7.950	ng		94
10) Phenol	7.099	94	47495	6.941	ng		88
11) bis(2-Chloroethyl)ether	7.346	93	37184	6.985	ng		97
12) 1,3-Dichlorobenzene	7.793	146	44319	6.929	ng		97
13) 1,4-Dichlorobenzene	7.946	146	46227	7.133	ng		96
14) 1,2-Dichlorobenzene	8.258	146	42808	6.827	ng		99
15) Benzyl Alcohol	8.158	79	36174	6.594	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.446	45	37396	7.025	ng		95
17) 2-Methylphenol	8.352	107	30158	6.546	ng		93
18) Hexachloroethane	8.981	117	16456	6.551	ng		91
19) n-Nitroso-di-n-propyla...	8.722	70	30083	6.415	ng	#	98
20) 3+4-Methylphenols	8.681	107	40855	6.498	ng		96
22) Acetophenone	8.740	105	59299	6.824	ng	#	96
24) Nitrobenzene	9.116	77	49556	6.992	ng		93
25) Isophorone	9.640	82	75569	6.164	ng		97
26) 2-Nitrophenol	9.828	139	15611	5.777	ng		95
27) 2,4-Dimethylphenol	9.887	122	26349	7.625	ng		96
28) bis(2-Chloroethoxy)met...	10.134	93	46417	6.692	ng		99
29) 2,4-Dichlorophenol	10.357	162	34016	6.512	ng		97
30) 1,2,4-Trichlorobenzene	10.569	180	44032	6.875	ng		97
31) Naphthalene	10.757	128	113467	6.783	ng		99
32) Benzoic acid	9.946	122	12980	3.855	ng		87
33) 4-Chloroaniline	10.875	127	42330	6.842	ng		97
34) Hexachlorobutadiene	11.034	225	31119	6.557	ng		94
35) Caprolactam	11.640	113	7805	5.278	ng		90
36) 4-Chloro-3-methylphenol	11.993	107	32455	5.698	ng		95
37) 2-Methylnaphthalene	12.369	142	74771	6.458	ng		96
38) 1-Methylnaphthalene	12.587	142	73843	6.491	ng		98
40) 1,2,4,5-Tetrachloroben...	12.728	216	50790	7.463	ng		99
41) Hexachlorocyclopentadiene	12.698	237	26016	8.462	ng		96
43) 2,4,6-Trichlorophenol	12.975	196	25027	6.073	ng		97

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.040	196	27555	6.089	ng		96
46) 1,1'-Biphenyl	13.381	154	103355	7.338	ng		99
47) 2-Chloronaphthalene	13.416	162	79779	6.900	ng		98
48) 2-Nitroaniline	13.628	65	18344	5.674	ng		98
49) Acenaphthylene	14.263	152	117489	7.243	ng		99
50) Dimethylphthalate	14.010	163	88466	6.548	ng	#	98
51) 2,6-Dinitrotoluene	14.128	165	17126	5.770	ng		98
52) Acenaphthene	14.604	154	67254	6.680	ng		97
53) 3-Nitroaniline	14.457	138	16211	5.943	ng	#	95
54) 2,4-Dinitrophenol	14.663	184	7792	5.056	ng	#	81
55) Dibenzofuran	14.940	168	114684	6.994	ng		98
56) 4-Nitrophenol	14.751	139	12106	5.415	ng		96
57) 2,4-Dinitrotoluene	14.910	165	20684	5.318	ng		98
58) Fluorene	15.592	166	87031	6.664	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.163	232	23989	6.302	ng		100
60) Diethylphthalate	15.375	149	80515	5.992	ng		99
61) 4-Chlorophenyl-phenyle...	15.592	204	47905	6.526	ng		99
62) 4-Nitroaniline	15.616	138	16241	5.680	ng		95
63) Azobenzene	15.887	77	80684	6.209	ng		98
65) 4,6-Dinitro-2-methylph...	15.669	198	10655	5.402	ng		88
66) n-Nitrosodiphenylamine	15.810	169	69704	6.729	ng		98
67) 4-Bromophenyl-phenylether	16.486	248	28419	6.572	ng		98
68) Hexachlorobenzene	16.587	284	33951	6.724	ng		99
69) Atrazine	16.769	200	24758	7.202	ng		92
70) Pentachlorophenol	16.934	266	15396	4.896	ng		96
71) Phenanthrene	17.339	178	126557	6.953	ng		98
72) Anthracene	17.428	178	123840	6.820	ng		97
73) Carbazole	17.704	167	107484	6.516	ng		100
74) Di-n-butylphthalate	18.269	149	115337	5.783	ng		99
75) Fluoranthene	19.304	202	146613	6.593	ng		99
77) Benzidine	19.498	184	67136	8.304	ng		98
78) Pyrene	19.657	202	156694	5.741	ng		98
80) Butylbenzylphthalate	20.551	149	49915	4.897	ng		99
81) Benzo(a)anthracene	21.369	228	185392	6.811	ng		98
82) 3,3'-Dichlorobenzidine	21.310	252	66846	6.739	ng		100
83) Chrysene	21.422	228	170955	6.615	ng		100
84) Bis(2-ethylhexyl)phtha...	21.322	149	82580	5.321	ng		99
85) Di-n-octyl phthalate	22.263	149	145719	5.336	ng		100
87) Indeno(1,2,3-cd)pyrene	26.327	276	255024	6.578	ng		100
88) Benzo(b)fluoranthene	23.069	252	209411	6.560	ng		98
89) Benzo(k)fluoranthene	23.116	252	189220	6.206	ng		97
90) Benzo(a)pyrene	23.698	252	181738	6.399	ng		99
91) Dibenzo(a,h)anthracene	26.357	278	214782	6.736	ng		97
92) Benzo(g,h,i)perylene	27.092	276	207658	6.419	ng		98

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

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